

A vertical photograph capturing a serene landscape. A steep, verdant mountain slope dominates the upper half of the frame, its surface covered in dense, dark green trees and shrubs. The slope descends towards a calm body of water, which occupies the lower half. The water is exceptionally still, acting as a perfect mirror for the sky and the lush greenery above. A small, light-colored, possibly stone or concrete, structure is visible on the shoreline, partially submerged or at the water's edge. The sky is a clear, pale blue with a few wispy white clouds. The overall composition is balanced and peaceful, emphasizing the beauty of a natural setting.

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT
OF**

**SAND SPRING METAL PROCESSING
(SSMP) TRADING COMPANY
1 INDUSTRY AVENUE
JOLIET, ILLINOIS**

PREPARED FOR:

**Sand Springs Metal Processing
1 Industrial Avenue
Joliet, Illinois 60435**

**Prepared by:
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February, 1999

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**SECOR International Incorporated JOB NO. B0190-010-01
Task Number 017**

February, 1999

Services performed under this contract were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. In preparing this report, SECOR International Incorporated has relied on information derived from secondary sources and personal interviews. Except as set forth in this report, SECOR International Incorporated has made no independent investigation as to the accuracy or completeness of the information derived from the secondary sources and personal interviews and has assumed that such information was accurate and complete.


Tina L. Jenkins
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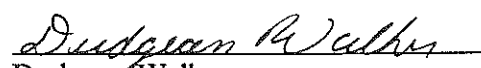

Dudgeon Walker
Geologist

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1.0 EXECUTIVE SUMMARY

SECOR International Incorporated (SECOR) performed a Phase I Environmental Site Assessment (ESA) of the SSMP Trading Company (SSMP), located at 1 Industry Avenue, Joliet, Illinois (subject property). The survey was performed by Mr. Don Jones, SECOR, Springfield, Missouri. The purpose of this Phase I ESA was to identify *recognized environmental conditions* which could negatively impact the value of the subject property and result in significant liability to the property owner. This report has been prepared for the exclusive use of Sand Springs Metal Processing. Other parties may not rely on the contents of this report without the express written consent of SECOR.

SECOR has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of SSMP Trading Company, 1 Industry Avenue, Joliet, Illinois. Any exceptions or deletions from this practice are described in Section 2.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following:

- *Petroleum stained soils were noted throughout the subject property*
- *Sheffield Steel Corporation, located adjacent to the subject property is listed as a leaking underground storage tank facility. Due to the close proximity and topographically upgradient location, adverse environmental impact from this facility is possible.*
- *Phibro Tech Inc. (RCRA TSD, NFRAP), and Insta-Foam Products Inc. (CERCLA), are both located upgradient from the subject property and are currently under investigation or remediation. Both of these sites have the potential to impact the subject property.*
- *The facility does not appear to currently have any environmental permits. Based on facility operations, it does not appear that an air permit would be required at this facility, however, a storm water permit does appear to be applicable to this facility.*

Based on the site investigation and the information contained in this report, the following summary is provided:

- The subject property covers less than two acres of land which is leased from Sheffield Steel. At the time of this report, it was unknown how long SSMP had leased the subject property from Sheffield Steel. Operations at the site consisted of receiving and stockpiling scrap metal, cutting the scrap into smaller pieces using torches, and shipping the scrap metal off-site for recycling. All operations at the subject property take place outdoors on dirt surfaces.
- The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) is a compilation of known or suspected uncontrolled or abandoned Hazardous Waste Sites which are under investigation by the Environmental Protection

Agency for the release, or threatened release of hazardous substances. One site, Insta-Foam Products, Inc., was identified approximately 1/4 mile west of the subject property. The site is under investigation to determine the extent of further action. The site is topographically higher and up gradient from the subject property.

- The Illinois Environmental Protection Agency (IEPA) Hazardous Waste Sites List is the state's equivalent of CERCLIS. One site, Seeler Industries Inc., located at 2000 North Broadway was identified on the IEPA Hazardous Waste Sites List as being within a one-mile radius of the subject property. The facility is in the Illinois Site Remediation Program. No other information is available for this facility. This facility is topographically higher and upgradient in relation to the subject property.
- The No Further Remedial Action Planned Report (NFRAP) was reviewed for facilities located within a one-half-mile radius of the subject property. The NFRAP contains information pertaining to sites which have been removed from the Federal EPA's CERCLIS database. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. One site, Phibro Tech Inc., appears on the NFRAP list, this site is discussed below.
- The Resource Conservation and Recovery Information System Treatment, Storage, and Disposal (RCRIS-TSD) facilities pertain to facilities which either treat store, or dispose of hazardous waste. One RCRIS-TSD facility, Phibro Tech Inc., was identified within a one-half mile radius of the subject property. This site is listed as a high priority site; a RCRA Facility Investigation (RFI) is required for the site, and an RFI Workplan has been approved. The site also appears on the NFRAP list. The subject property is situated at topographically higher elevation and may also be hydrostatically up gradient from the subject property.
- The RCRIS Large Quantity Generator list contains sites which generate more than 1,000 kg of hazardous waste per month. One RCRIS Large Quantity Generator, RHO Chemical Company, was identified within a one-quarter-mile radius of the subject property. One violation is reported for this facility as the result of a compliance evaluation inspection on May 7, 1986. No further information was obtained on this site.
- The RCRIS Small Quantity Generator list contains sites which generate between 100 kg and 1,000 kg of hazardous waste per month. Two RCRIS Small Quantity Generator sites, Phibro Tech Inc. and Industrial Color, Inc., were identified within a one-quarter-mile radius of the subject property. No violations are reported for Industrial Color; Phibro Tech is discussed under RCRIS-TSD sites.
- The Illinois Underground Storage Tank (UST) List is a comprehensive listing of all registered USTs located within the State of Illinois. Two UST sites were identified within a one-quarter

mile radius of the subject property. Sheffield Steel Corporation, located adjacent to the subject property is listed as a leaking underground storage tank facility. Due to the close proximity and topographically upgradient location, adverse environmental impact from this facility is possible. RHO Chemical Company located adjacent to the subject property is not listed as a leaking underground storage tank facility and does not appear to pose an adverse environmental impact to the subject property.

- The Illinois Leaking Underground Storage Tank (LUST) file is a comprehensive listing of all aboveground and underground storage tanks located within the State of Illinois. Four LUST sites, including Sheffield Steel, were identified within a one-half-mile radius of the subject property. All of these sites are topographically higher and may be up gradient from the subject property. A brief reconnaissance of one of the LUST sites, an Amoco gas station, revealed that monitoring wells are present. No further information on the other sites were available. The regulatory review incorrectly identified the subject property as a LUST site. However, the adjacent property Sheffield Steel is actually the LUST facility referred to. The subject property (SSMP Trading Company) is a tenant of Sheffield Steel Company.
- Three aboveground storage tanks (ASTs) are located on the site. One 500-gallon steel AST containing diesel fuel is located south of the office trailer. One approximately 1,500-gallon steel AST containing liquid oxygen is located northwest of the trailer. One steel AST containing propane, approximately 200 gallon capacity, is located east of the office trailer. SECOR found no evidence indicating that underground storage tanks (USTs) are present at the site.
- Several 55-gallon drums and 5-gallon buckets containing motor oil were stored outside at various locations on the subject property. Five drums containing mixed oil and water recovered from a spill were located in the center of the site. According to Mr. Corral, the trackhoe located on the subject property leaked its motor oil onto the ground in a depressed area. Before the spill could be cleaned up a rain storm filled the depressed area with rain water. After the storm, hydrocarbon contaminated rain water was vacuumed out of the depressed area and placed in the five drums on the subject property.
- Oil stained soil was observed throughout the subject facility. One hole approximately two feet deep was observed between scrap piles. The hole was strongly stained with oil and metal filings.
- No water supply or oil production wells were observed on the subject property or on adjacent properties. Five monitoring wells were observed at an Amoco gas station located approximately one quarter to one-half mile west of the site, in what is believed to be the upgradient direction.

2.0 INTRODUCTION

Sand Springs Metal Processing, 1 Industrial Avenue, Joliet, Illinois, authorized SECOR to perform a Phase I Environmental Site Assessment of SSMP Trading Company (SSMP) located at 1 Industry Avenue, in the city of Joliet, Payne County, Illinois. Mr. Don Jones, Project Geologist, SECOR, Springfield, Missouri performed the site assessment on July 1, 1998.

2.1 PURPOSE AND SCOPE OF WORK

The purpose of this Phase I Environmental Site Assessment (ESA) was to identify recognized environmental conditions which could negatively impact the value of the subject property and result in significant liability to the property owner. This Phase I ESA was performed consistent with the ASTM Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527). The goal of the process was the identification of "Recognized Environmental Conditions". The ASTM E1527 definition of "Recognized Environmental Conditions" is provided below.

"Recognized Environmental Condition: The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground water or surface water of the property. The term includes hazardous substances or petroleum products under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies."

The Scope of Work was as follows:

- Review available records of state and Federal regulatory authorities, permits, citations, violations, etc. relating to the subject and adjacent properties per ASTM standards.
- Perform a visual inspection of the subject property and surrounding areas to determine if activities on the subject property or the surrounding land uses have or may have any potential impact on the subject property.
- Review soils information available through the United States Department of Agriculture, Soil Conservation Service.
- Review site history as revealed through available aerial photographs or other available sources for the subject and surrounding properties.

- Review other site conditions or compliance problems (not including building codes) that would require future environmental remediation and compliance expenditures.
- Inventory available environmental permits located on site and determine the implications of the absence of any permits and notifications based upon available information.

2.2 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

In performing the Phase I ESA, guidelines from the ASTM Standards on Environmental Site Assessments for Commercial Real Estate E 1527-97 were generally followed. This Phase I ESA was performed by SECOR International Incorporated in accordance with generally accepted practices of the profession in performing similar studies in the same general area and during the same general time frame. SECOR International Incorporated observed the same degree of care and skill generally exercised by the profession under similar circumstances. SECOR International Incorporated's observations and findings cannot be considered as scientific certainties. The conclusions are based on our professional judgement regarding the significance of the limited information available during the course of this study. Specifically, SECOR International Incorporated does not and cannot represent that the subject property contains no recognized environmental conditions, and/or other latent conditions beyond that observed by SECOR International Incorporated in the course of this ESA.

3.0 SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The subject property is located at 1 Industry Avenue, Joliet, Will County, Illinois. The subject property is bordered on the east, west and south by the Sheffield Steel plant; and to the north by railroad tracks, beyond which lies Theodore Street and Seeler Industries, a chemical distributor. The Sheffield Steel plant includes a metal turnings pile west of the subject property, scrap metal and drum storage to the east, and the main Sheffield Steel plant buildings to the south and east. The Sheffield Steel Plant is bounded to the south by Industry Road and beyond by industrial facilities, including RHO Chemical, Industrial Color, Inc., and Phibro Tech Inc. Photographs taken during the site visit are include in Appendix B. A site vicinity map and a plot map of the subject property are included in Appendix C. A legal description of the property was not available.

3.2 SITE AND VICINITY CHARACTERISTICS

The subject property is currently occupied by SSMP Trading Company. The area immediately surrounding the subject property consists of industrial properties. Potable water for the subject property is supplied by the City of Joliet. The City of Joliet's potable water supplied is derived from groundwater (>250 feet below surface). The nearest private water well to the subject property is 1/8 to 1/4 mile to the north. According to Environmental Data Resources, Inc. (EDR) groundwater flow information, groundwater flow at the subject property is to the southeast.

3.3 DESCRIPTION OF STRUCTURES, ROADS, OTHER IMPROVEMENTS ON THE SITE

The only structure on the subject property is a mobile trailer which serves as an office. The entrance to the subject property is via Industry Avenue. A Site Topographic Map and a Site Plot Map are included in Appendix C.

There are no monitoring, water, gas, or oil wells located on the subject property.

There are no on-site utilities other than potable water service.

3.4 INFORMATION REPORTED BY USER REGARDING ENVIRONMENTAL LIENS OR SPECIALIZED KNOWLEDGE OR EXPERIENCE

SECOR interviewed facility personnel regarding environmental liens or specialized knowledge or experiences with regards to the subject property. Facility personnel were not aware of any environmental liens or other environmental concerns regarding activities on the subject property.

3.5 CURRENT USES OF THE PROPERTY

The subject property is currently owned by Sheffield Steel and is leased by SSMP. Operations at the subject property consist of receiving and stockpiling scrap metal, cutting the scrap into smaller pieces using torches, and shipping the scrap metal off-site for recycling. All operations at the subject property take place outdoors on dirt surfaces.

3.6 PAST USES OF THE PROPERTY

Past uses of the property were determined by visual and physical inspection of the subject property and interviews conducted with site personnel. Reviews of historical aerial photographs, Sanborn Fire Insurance Maps, Topographic Maps were also conducted. The detailed results of reviewing these historical sources is discussed in Section 4.3.

SECOR interviewed Mr. Fernando Corral, Site Superintendent for SSMP, concerning the past uses of the subject property. Mr. Corral, who had been at the facility for eight months, stated that he did not have any knowledge of past use of the subject property.

3.7 CURRENT AND PAST USES OF ADJOINING PROPERTIES

The current and past uses of the adjoining properties, which may have resulted in an impact to the subject property, were identified by review of historical sources, site reconnaissance, and interviews. Aerial photographs for the years 1976, 1987, and 1997 show the subject property developed and surrounded primarily by industrial operations, as it appears today.

4.0 RECORDS REVIEW

SECOR obtained environmental lists published by the United States Environmental Protection Agency (EPA), the Illinois Environmental Protection Agency, to determine if there are any known sites producing, storing, and/or disposing of toxic or hazardous materials which may impact the subject property. The electronic file search report, provided by a third party vendor, is included in Appendix D.

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES, FEDERAL AND STATE

4.1.1 Resource Conservation and Recovery Act (RCRA) Generators List

The Resource Conservation and Recovery Information System (RCRIS) large-quantity generators report contains information pertaining to facilities, which either generate more than 1,000 kg of hazardous waste per month, or meet other applicable requirements of RCRA. Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS) is included in the RCRIS large quantity generators report. This list is published by the EPA. One RCRIS large-quantity generator, RHO Chemical Company, was identified within a one-quarter-mile radius of the subject property. One violation is reported for this facility as the result of a compliance evaluation inspection on May 7, 1986. No further information was obtained on this site. A summary of the information provided in the data base for this site is provided in Table 1.

TABLE 1 RCRIS LARGE-QUANTITY GENERATORS		
FACILITY NAME AND ADDRESS	DISTANCE/DIRECTION FROM SUBJECT PROPERTY	VIOLATIONS?
RHO Chemical Company Industry Avenue Building 25 Joliet, IL 60434	< 1/8 mile, west-northwest	Yes, one violation

The RCRIS small-quantity generators report contains information pertaining to facilities which either generate between 100 kg and 1,000 kg of hazardous waste per month or meet other applicable requirements of RCRA. Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS) is included in the RCRIS small-quantity generators report. Two RCRIS small-quantity generator sites, Phibro Tech Inc. and Industrial Color, Inc., were identified within a one-quarter-mile radius of the subject property. No violations are reported for Industrial Color; Phibro Tech is discussed under RCRIS-TSD sites. A summary of the information provided in the data base for these sites is provided in Table 2.

TABLE 2 RCRIS SMALL-QUANTITY GENERATORS		
FACILITY NAME AND ADDRESS	DISTANCE/DIRECTION FROM SUBJECT PROPERTY	VIOLATIONS?
Industrial Color Inc. 50 Industry Avenue Joliet, IL 60435	< 1/8 mile, west	No
Phibro Tech Inc. 10 Industry Avenue Joliet, IL 60435	< 1/8 mile, west	Yes, six violations

4.1.2 Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and/or Disposal (TSD) Sites

Published by EPA, this list identifies facilities in which the treatment, storage, and/or disposal of hazardous waste takes place, as defined and regulated by RCRA. Information pertaining to the status of facilities tracked by the RAATS is included in the RCRIS-TSD report. One RCRIS-TSD facility, Phibro Tech Inc., was identified within a one-half mile radius of the subject property. This site is listed as a high priority site; a RCRA Facility Investigation (RFI) requirement has been imposed for the site, and an RFI Workplan has been approved. The site also appears on the NFRAP list. The site is topographically higher and may be up gradient from the subject property. A summary of the information provided in the data base for this site is provided in Table 3.

TABLE 3 RCRIS TSD SITES		
FACILITY NAME AND ADDRESS	DISTANCE/DIRECTION FROM SUBJECT PROPERTY	VIOLATIONS?
Phibro Tech Inc. 10 Industry Avenue Joliet, IL 60435	< 1/8 mile, west	Yes, six violations

4.1.3 Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)

The CERCLIS database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated or are currently under investigation by the Federal EPA for the release, or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation and ultimately placed on the National Priorities List (NPL). As of February, 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from the CERCLIS database. One

site, Insta-Foam Products, Inc., was identified approximately 1/4 mile west of the subject property. The site is under investigation to determine the extent of further action. The site is topographically higher and may be up gradient from the subject property. A summary of the information provided in the data base for this site is provided in Table 4.

TABLE 4 CERCLIS SITES		
FACILITY NAME AND ADDRESS	DISTANCE/DIRECTION FROM SUBJECT PROPERTY	STATUS
Insta-Foam Products Inc. 2050 N. Broadway Crest Hill, IL 60435	1/4-1/2 mile, west	Under Investigation

4.1.4 National Priority List (NPL) Sites for Uncontrolled Hazardous Waste

The NPL, issued by the EPA, lists uncontrolled hazardous waste sites that require additional investigation to determine if they pose risks to the environment or to human health. Sites are added to the NPL based mainly on their Hazard Ranking System (HRS) scores. The HRS is a numeric system structured to evaluate the relative risks to the environment and/or human health posed by the particular type(s) of hazardous waste contamination. No NPL sites were located on or within a one-mile radius of the subject property.

4.1.5 Emergency Response Notification System (ERNS) List

The ERNS is a national database which contains information from spill reports regarding reported releases of hazardous substances, including petroleum, made to Federal authorities including the EPA, the United States Coast Guard, the National Response Center, and the Department of Transportation. The ERNS reporting system contains preliminary information on specific releases, including the spill location, the substance released, and the responsible party. A search of the database records revealed that there are no ERNS reportings on or adjacent to the subject property.

4.1.6 Registered Storage Tank (RST) Sites

This report is a comprehensive listing of all aboveground and underground storage tanks located within Illinois. Two RST sites were identified on or within a one-quarter-mile radius of the subject property. One of these sites, Sheffield Steel is listed as a leaking underground storage tank facility. A summary of the registration of these sites is provided in Table 5.

TABLE 5 REGISTRATIONS OF RST SITES		
FACILITY NAME AND ADDRESS	DISTANCE/DIRECTION FROM SUBJECT PROPERTY	TANK SIZE, SUBSTANCE AND STATUS
Sheffield Steel 1 Industry Avenue Joliet, IL 60435	< 1/8 mile, west-northwest	Size - Not Reported, Substance - Not Reported, Status - Not Reported,
RHO Chemical Co. Industry Avenue Building 25 Joliet, IL 60434	< 1/8 mile, west-northwest	Size: Not Reported, Substance - Not Reported, Status - Not Reported,

4.1.7 Leaking Registered Storage Tank (LRST) Sites

The Illinois Leaking Registered Storage Tank (LRST) report contains information pertaining to reported leaking underground storage tanks, spills, and tank overfills located within Illinois. Four LRST sites were identified on or within a one-half mile of the subject property. The registrations of these sites are summarized in Table 6.

TABLE 6 REGISTRATIONS OF LRST SITES			
FACILITY NAME AND ADDRESS	DISTANCE/DIRECTION FROM THE SUBJECT PROPERTY	SUBSTANCE RELEASED	MEDIA IMPACTED
Sheffield Steel Corp. 1 Industry Avenue Joliet, IL 60435	adjacent to the west-northwest	Not reported	Not reported
Union Bank 1300 N. Broadway Street Joliet, IL	1/4-1/2 mile, southwest	Not reported	Not reported
AMOCO Oil Co. #9574 Broadway/Theodore Joliet, IL	1/4-1/2 mile, west-northwest	Not reported	Not reported
Martinson Gas Partnership 1101 N. Broadway Street Joliet, IL	1/4-1/2 mile, south-southwest	Not reported	Not reported

4.1.8 No Further Remedial Action Planned (NFRAP) Sites

The No Further Remedial Action Planned Report (NFRAP) contains information pertaining to sites which have been removed from the Federal EPA's CERCLIS database. NFRAP Sites may be sites where, following an initial investigation, no contamination was found, contamination was removed

quickly without need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. One RCRIS-TSD facility, Phibro Tech Inc., was identified within a one-half mile radius of the subject property. This site is listed as a high priority site; a RCRA Facility Investigation (RFI) requirement has been imposed for the site, and an RFI Workplan has been approved. The site is topographically higher and may be up gradient from the subject property. A summary of the information provided in the data base for this site is provided in Table 7.

TABLE 7 NFRAP SITES		
FACILITY NAME AND ADDRESS	DISTANCE/DIRECTION FROM SUBJECT PROPERTY	VIOLATIONS?
Phibro Tech Inc. 10 Industry Avenue Joliet, IL 60435	< 1/8 mile, west	Yes, six violations
RHO Chemical Company Industry Avenue Building 25 Joliet, IL 60434	< 1/8 mile, west-northwest	Yes, one violation

4.1.9 Solid Waste Processing Facilities and Closed Landfills

The Illinois Environmental Protection Agency Directory of Available Disposal for Solid Waste in Illinois is a comprehensive listing of all reported active and inactive permitted solid waste facilities and landfill sites operating within Illinois. No SWF/LF sites were identified within a one-half mile radius of the subject property.

4.1.10 Orphan Sites

Six "Orphan" sites (sometimes referred to as unplottable sites) were reported in the electronic file search. These are sites which are selected by zip code, county, or another search criteria, but for which there is not enough information in the database to plot the site on the map. Unplottable sites can sometimes be verified during the site visit, but are not always apparent. Unplottable sites may have the potential to impact the subject property. A review of the orphan list did not reveal any sites of concern.

4.2 PHYSICAL SETTING

The United States Geological Survey (USGS) Joliet Quadrangle, Will County, Illinois, 7.5' topographic map reveals that the subject property is situated in an area at an elevation of approximately 600 feet above mean sea level. The general area of the subject property is relatively

level. The regional topography generally slopes eastward toward the Des Plaines River. See topographic map in Appendix C.

Soils

The "Soil Survey of Will County, Illinois" published by the United States Department of Agriculture, Soil Conservation Service, in cooperation with the University of Illinois Agricultural Experiment Station, was reviewed to obtain the characteristics of the soils beneath the subject property. The soil survey map is included in Appendix C.

According to the Soil Survey, the subject property is primarily underlain by urban land. Urban land is land which has been altered by streets, buildings, and parking areas.

Hydrogeology

The subject property is underlain by Pleistocene age deposits ranging from 0-200 meters depending upon location and proximity to the Des Plaines River. The generalized geologic setting is Pleistocene deposits overlying Devonian age formations overlying Silurian age formations overlying Ordovician age formations. Depth to groundwater for this general area ranges from approximately 75 to 245 feet bgs.

4.3 HISTORICAL USE INFORMATION

The history of the subject property was researched through the following historical sources:

4.3.1 Aerial Photographs

Historical aerial photographs dated 1976, 1986 and 1997 were reviewed for the subject property. The 1976 aerial photograph shows the subject property developed with two rectangular shaped buildings and bisected by two railroad spurs. The surrounding properties are developed with large warehouse type structures. The 1986 and 1997 aerial photographs show the subject property developed with one rectangular shaped building, much as it appears today. Copies of the aerial photographs are included in Appendix C. No Sanborn maps were identified for this area.

4.3.2 Interviews

An interview with Mr. Fernando Corral, Site Superintendent for SSMP, gave no indications of any problems concerning the use of hazardous substances or petroleum products *or other recognized environmental conditions* at the SSMP facility, except for the spill which occurred on the subject property. According to Mr. Corral, the trackhoe located on the subject property leaked its motor oil onto the ground in a depressed area. Before the spill could be cleaned up a rain storm filled the depressed area with rain water. After the storm, hydrocarbon contaminated rain water was vacuumed out of the depressed area and placed in the five drums on the subject property.

4.3.3 Historical Topographic Maps

Historical topographic maps for the years 1993, 1973, and 1972 were reviewed. All three maps show the subject property and surrounding area fully developed with large warehouse type structures. No adverse environmental conditions were identified in the maps reviewed.

5.0 INFORMATION FROM SITE RECONNAISSANCE AND INTERVIEWS

5.1 HAZARDOUS SUBSTANCES IN CONNECTION WITH IDENTIFIED USES

No hazardous wastes are generated or treated on the subject property.

5.2 HAZARDOUS SUBSTANCE CONTAINERS AND UNIDENTIFIED SUBSTANCE CONTAINERS

Several 55-gallon drums and 5-gallon buckets containing motor oil are stored outside at various locations on the subject property. Five drums containing mixed oil and water recovered from a spill are located in the center of the site. No unidentified substance containers were observed on the subject property.

5.3 STORAGE TANKS

Three aboveground storage tanks (ASTs) are located on the site. One 500-gallon steel AST containing diesel fuel is located south of the office trailer. One approximately 1,500-gallon steel AST containing liquid oxygen is located northwest of the trailer. One steel AST containing propane, approximately 200 gallon capacity, is located east of the office trailer.

SECOR found no evidence indicating that underground storage tanks (USTs) are present at the subject property.

5.4 POTENTIAL PCB CONTAINING EQUIPMENT

No transformers or any other potentially PCB containing equipment were identified on the subject property.

5.5 INTERIOR OBSERVATIONS

The only structure currently on the subject property is a trailer which serves as an office. No staining or corrosion was observed on the floor of the trailer.

5.6 EXTERIOR OBSERVATIONS

Oil stained soil was observed throughout the subject facility. One depression approximately two feet deep was observed between scrap piles. The depression was heavily stained with oil and metal filings. No evidence of past on-site disposal activities were observed. Photographs of the subject property can be seen in the site photographs in Appendix B. No gas or oil wells were observed on the subject property. No monitoring or water wells were observed on the subject or adjacent property. There was no evidence of any borings observed during the site investigation.

Drainage

A storm drain is located near the northeast corner of the subject property.

5.7 PHYSICAL SETTING ANALYSIS, IF MIGRATING HAZARDOUS SUBSTANCES ARE AN ISSUE

The site is bordered on all sides by industrial properties. Activities at the Sheffield Steel facility, which surrounds the site on the south, east and west include storage of drums and stockpiling of metal turnings. Stained soil and empty drums were observed at several locations on the Sheffield Steel property. Any environmental impacts to the Sheffield Steel property have the potential to migrate to the subject site through surface water and ground water transport. Sheffield Steel is listed as a LUST facility. Sheffield Steel is adjacent to and up-gradient in relation to the subject property. Due to the proximity to the subject property, adverse environmental impact to the subject property is possible.

Additionally, Phibro Tech Inc. (RCRA TSD, NFRAP), and Insta-Foam Products Inc. (CERCLA), are both located upgradient from the subject property and are currently under investigation or remediation. Both of these sites have the potential to impact the subject property.

5.8 ANY OTHER CONDITIONS OF CONCERN

5.8.1 Potential Asbestos Containing Material

The potential for asbestos containing material can only be determined by laboratory analysis. No asbestos survey was conducted for the subject property.

5.8.2 Radon

The EPA's Science Advisory Board has determined that radon levels of four picocuries per liter (pCi/L) and greater creates a health risk. The reported radon level for the vicinity of the subject property is between 2 pCi/L and 4 pCi/L.

5.9 SITE MAP

Appendix C contains a Site Map of the subject property.

5.10 ENVIRONMENTAL PERMITS

No permits were available on-site for SECOR's review during the site inspection. Based on facility operations, it does not appear that an air permit would be required at this facility, however, a storm water permit does appear to be applicable.

6.0 FINDINGS AND CONCLUSIONS

Based on the site investigation and the information contained in this report, the following findings have been reached.

6.1 FINDINGS

- The subject property covers less than two acres of land which is leased from Sheffield Steel. At the time of this report, it was unknown how long SSMP had leased the subject property from Sheffield Steel. Operations at the site consisted of receiving and stockpiling scrap metal, cutting the scrap into smaller pieces using torches, and shipping the scrap metal off-site for recycling. All operations at the subject property took place outdoors on dirt surfaces.
- One structure is currently located on the subject property which is a trailer used as an office.
- The National Priority List (NPL) for Uncontrolled Hazardous Waste Sites, issued by the EPA, lists uncontrolled hazardous waste sites that require additional investigation to determine if they pose risks to the environment or to human health. No NPL sites were identified within a one-mile radius of the subject property.
- The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) is a compilation of known or suspected uncontrolled or abandoned Hazardous Waste Sites which are under investigation by the Environmental Protection Agency for the release, or threatened release of hazardous substances. One site, Insta-Foam Products, Inc., was identified approximately 1/4 mile west of the subject property. The site is under investigation to determine the extent of further action. The site is topographically higher and topographically up gradient from the subject property.
- The Illinois Environmental Protection Agency (IEPA) Hazardous Waste Sites List is the state's equivalent of CERCLIS. One site, Seeler Industries Inc., located at 2000 North Broadway was identified on the IEPA Hazardous Waste Sites List within a one-mile radius of the subject property. The facility is in the Illinois Site Remediation Program. No other information is available for this facility. This facility is topographically higher and upgradient in relation to the subject property.
- The No Further Remedial Action Planned Report (NFRAP) was reviewed for facilities located within a one-half-mile radius of the subject property. The NFRAP contains information pertaining to sites which have been removed from the Federal EPA's CERCLIS database. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. One site, Phibro Tech Inc., appears on the NFRAP list; this site is discussed below. The subject facility was not identified as a NFRAP site.

- The Resource Conservation and Recovery Information System Treatment, Storage, and Disposal (RCRIS-TSD) facilities pertain to facilities which either treat store, or dispose of hazardous waste. One RCRIS-TSD facility, Phibro Tech Inc., was identified within a one-half mile radius of the subject property. This site is listed as a high priority site; a RCRA Facility Investigation (RFI) requirement has been imposed for the site, and an RFI Workplan has been approved. The site also appears on the NFRAP list. The subject property is situated at a topographically higher elevation and may also be hydrostatically up gradient from the subject property.
- The RCRIS Large Quantity Generator list contains sites which generate more than 1,000 kg of hazardous waste per month. One RCRIS Large Quantity Generator, RHO Chemical Company, was identified within a one-quarter-mile radius of the subject property. One violation is reported for this facility as the result of a compliance evaluation inspection on May 7, 1986. No further information was obtained on this site.
- The RCRIS Small Quantity Generator list contains sites which generate between 100 kg and 1,000 kg of hazardous waste per month. Two RCRIS Small Quantity Generator sites, Phibro Tech Inc. and Industrial Color, Inc., were identified within a one-quarter-mile radius of the subject property. No violations are reported for Industrial Color; Phibro Tech is discussed under RCRIS-TSD sites.
- The Emergency Response Notification System (ERNS) List is a national database containing information from spill reports made to Federal authorities including the EPA, the United States Coast Guard, the National Response Center, and the Department of Transportation regarding reported releases of oil and hazardous substances. No ERNS sites were identified on or adjacent to the subject property.
- The Illinois Underground Storage Tank (UST) List is a comprehensive listing of all registered USTs located within the State of Illinois. Two UST sites were identified within a one-quarter mile radius of the subject property. Sheffield Steel Corporation, located adjacent to the subject property is listed as a leaking underground storage tank facility. Due to the close proximity and topographically upgradient location, adverse environmental impact from this facility is possible. RHO Chemical Company located adjacent to the subject property is not listed as a leaking underground storage tank facility and is not anticipated pose an adverse environmental impact to the subject property.
- The Illinois Leaking Underground Storage Tank (LUST) file is a comprehensive listing of all aboveground and underground storage tanks located within the State of Illinois. Four LUST sites, including Sheffield Steel, were identified within a one-half-mile radius of the subject property. All of these sites are topographically higher and may be up gradient from the subject property. A brief reconnaissance of one of the LUST sites, an Amoco gas station, revealed that monitoring wells are present. No further information on the other sites were

available. The regulatory review incorrectly identified the subject property as a LUST site. However, the adjacent property Sheffield Steel is actually the LUST facility referred to. The subject property (SSMP Trading Company) is a tenant of Sheffield Steel Company.

- The Illinois Department of Health permitted Solid Waste Facilities (SWF) Directory is a comprehensive listing of solid waste facilities/landfill sites. This directory lists all reported active and inactive permitted solid waste landfills and process facilities operating within the State of Illinois. No SWF sites were identified within a one-half mile radius of the subject property.
- One former manufactured gas (coal gas) site, Illinois Steel Company, was identified within a one-mile radius of the subject property.
- No transformers were observed on the subject property.
- Three aboveground storage tanks (ASTs) are located on the site. One 500-gallon steel AST containing diesel fuel is located south of the office trailer. One approximately 1,500-gallon steel AST containing liquid oxygen is located northwest of the trailer. One steel AST containing propane, approximately 200 gallon capacity, is located east of the office trailer. SECOR found no evidence indicating that underground storage tanks (USTs) are present at the site.
- Several 55-gallon drums and 5-gallon buckets containing motor oil were stored outside at various locations on the subject property. Five drums containing mixed oil and water recovered from a spill were located in the center of the site. According to Mr. Corral, the trackhoe located on the subject property leaked its motor oil onto the ground in a depressed area. Before the spill could be cleaned up a rain storm filled the depressed area with rain water. After the storm, hydrocarbon contaminated rain water was vacuumed out of the depressed area and placed in the five drums on the subject property.
- Oil stained soil was observed throughout the subject facility. One hole approximately two feet deep was observed between scrap piles. The hole was strongly stained with oil and metal filings.
- No water supply or oil production wells were observed on the subject property or on adjacent properties. Five monitoring wells were observed at an Amoco gas station located approximately one quarter to one-half mile west of the site, in what is believed to be the upgradient direction.
- The subject property is essentially level, within an area that generally slopes eastward toward the Des Plaines River. A storm drain is located near the northeast corner of the subject property.

- The EPA's Science Advisory Board has determined that radon levels of four picocuries per liter (pCi/L) and greater creates a health risk. The radon levels for the area around and encompassing the subject property are reported to be between 2 pCi/L and 4pCi/L.

6.2 CONCLUSIONS

The following conclusions have been reached regarding the subject property based on information obtained during site reconnaissance as well as the information contained in this report.

- Sheffield Steel Corporation, located adjacent to the subject property is listed as a leaking underground storage tank facility. Due to the close proximity and topographically upgradient location, adverse environmental impact from this facility is possible.
- Phibro Tech Inc. (RCRA TSD, NFRAP), and Insta-Foam Products Inc. (CERCLA), are both located upgradient from the subject property and are currently under investigation or remediation. Both of these sites have the potential to impact the subject property.
- The facility does not appear to currently have any environmental permits. Based on facility operations, it does not appear that an air permit would be required at this facility, however, a storm water permit does appear to be applicable to this facility.

7.0 REFERENCES

Environmental Data Resources, Inc., The EDR-Radius Map with Geo-check™, 1998.

United States Department of Agriculture, Soil Conservation Service, Soil Survey of Will County, Illinois.

United States Department of Agriculture, Soil Conservation Service, Aerial Photograph, 1979.

United States Department of the Interior, Geological Survey, Joliet, 7.5 Minute Quadrangle Topographic Map 1995.

APPENDIX A
PERSONNEL QUALIFICATIONS

WILLIAM SARNI, P.G.
Principal Hydrogeologist

M.S. Earth & Environmental Sciences, 1981
Queens College, New York
B.A. Earth & Environmental Sciences, 1976
Queens College, New York

Mr. Sarni has over 20 years of professional experience in the environmental consulting field. This experience has included scoping and performing hydrogeological investigations in support of remedial investigations and remediation programs at industrial hazardous waste sites throughout the U.S. He has managed complex Remedial Investigation/Feasibility Studies (RI/FS), pre-design investigations and design projects involving a variety of contaminants at state and federal Superfund sites. In addition, he has considerable experience in determining the adequacy of workplans developed by other consultants, providing assistance and representation for Potentially Responsible Parties (PRPs) in the negotiation of Consent Orders, and providing expert testimony. Mr. Sarni's experience has involved due diligence/divestiture and acquisition programs; CERCLA programs/state and federal sites; RCRA programs; legal support; and hydrogeological investigations, including water supply and hydrocarbon investigation/remediation projects. His selected project experience is presented below.

Project Experience

- Served as Project Manager for a private party cost-recovery project under CERCLA. Managed the scoping and performance of RI/FSs and Risk Assessments (RAs) at seven facilities, consistent with the National Contingency Plan (NCP) requirements, within a three-year period. The RI/FSs required the evaluation of data developed by previous consultants and the adequacy of operating remediation systems and the management of community relations programs consistent with U.S. EPA guidelines. Involved volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, PCBs, dioxins, and furans as contaminants of concern in soil, stream sediments, and groundwater. Several locations required the evaluation of the extent of DNAPLs in porous and fractured media and the adequacy of existing recovery systems. Also provided expert testimony, along with the development of demonstrative exhibits for trial.
- Served as Project Manager/Principal-in-Charge for an RI/FS and RA at a state Superfund site in Abilene, Kansas. Involved the design and construction of a groundwater extraction and treatment system designed to capture a PCE/TCE plume. Investigation consisted of the evaluation of hydrogeological conditions in a karst limestone aquifer which was previously used for a municipal water supply. Project also required the development of institutional controls and negotiations with state agencies.
- Served as Manager/Principal-in-Charge for an investigation at a former railroad yard in Texas. Performed work under the Texas Risk Reduction Rules and involved the evaluation of soil and groundwater quality. Conceptual design activities consisted of the development of soil and groundwater remediation systems for PCE in soil and groundwater.

- Served as Project Manager for an RI/FS at a 5,200-acre manufacturing facility in Colorado. Involved the investigation of air, soil, stream sediment, surface water and groundwater quality; and the design and implementation of surface water/groundwater Interim Remedial Measures (IRMs). Involved VOCs, SVOCs, and metals as contaminants of concern. Performed numerical groundwater modeling and RA tasks to develop site-specific cleanup objectives and the suitability of selected remedial systems.
- Served as Project Manager/Principal-in-Charge of regional surface water/groundwater investigation, pre-design investigation, and design program at a National Priorities List (NPL) site in Woburn, Massachusetts. Collected soil, stream sediment, surface water, and groundwater quality data to support remedial design tasks. Involved extensive negotiations with regulatory agencies and coordination of tasks with the PRP group and subcontractors. Design program consisted of groundwater recovery, treatment, and reinjection systems.
- Served as Project Manager for a site investigation, pre-design, design, and remediation program at an electronics manufacturing facility in Illinois as part of state voluntary cleanup program. Involved determination of the extent of VOCs in soil and groundwater, design of a groundwater extraction and treatment system, and negotiations with state agencies. Remediation included installation of a horizontal well recovery system designed to capture groundwater within a thin, perched, saturated zone. Also provided technical support to assist with the recovery of costs from the client's insurance carriers.
- Served as Principal-in-Charge of numerous hydrocarbon investigation and remediation projects throughout the northeastern U.S., California, and Colorado. Included evaluation of soil and groundwater quality data and remediation of dissolved and separate-phase (LNAPL) hydrocarbons at service stations and bulk petroleum terminals. Remediation included bioremediation of soils, vapor extraction, hydrocarbon recovery, and groundwater extraction and treatment.
- Served as an Expert Witness for a plaintiff at a former communications facility which involved the release of hydrocarbons from an underground storage tank (UST). Evaluated soil and groundwater quality data, developed expert opinions, and provided expert testimony.
- Evaluated investigative and remedial costs associated with the cleanup of over 30 manufactured gas plant sites throughout New Jersey in support of settlement negotiations between a utility and an insurance carrier.
- Evaluated investigative and remedial costs associated with the cleanup of several hazardous waste sites (including landfills) in New Jersey as part of settlement negotiations between PRPs and insurance carriers.
- Served as an Expert Witness for a defendant in a private party cost-recovery case under CERCLA at a former die casting site in Syracuse, New York. Evaluated investigative and remedial work performed by consultants for the current owner, developed expert opinions, and provided expert testimony. Involved VOCs and DNAPLs as contaminants of concern.
- Served as Principal-in-Charge for a RCRA closure at a hazardous waste storage area for an electronics manufacturing facility in Colorado. Program consisted of building decontamination activities and negotiations with a regulatory agency.

- Served as Principal-in-Charge for RCRA, RCRA Facility Investigation (RFI), and Corrective Measures Studies (CMSs) at several manufacturing facilities in Arizona and New Mexico. Included evaluation of soil quality data, development of cleanup levels for lead in soil, and site remediation.
- Served as Senior Hydrogeologist responsible for the relicensing of a uranium mill and mine in western New Mexico. Included evaluation of soil and groundwater quality data and preparation of permit applications.
- Served as Project Hydrogeologist responsible for the installation and monitoring of a uranium mill tailings dam dewatering system in New Mexico.
- Served as Project Hydrogeologist for a project which included the installation of a horizontal drain system designed to increase stability by dewatering the dam.
- Served as Project Manager for a hydrogeological investigation designed to permit a landfill site at an abandoned coal strip mine in West Virginia. Included well design, drilling supervision, aquifer testing, data analysis, groundwater sampling, and seismic refraction study.
- Served as Hydrogeologist responsible for evaluating the suitability of the Waste Isolation Pilot Plant (WIPP) site in Carlsbad, New Mexico, for disposal of radioactive waste materials. Included the determination of groundwater seepage rates.
- Served as Project Manager for a water supply project for a municipality in New Jersey. Included evaluation of area hydrogeology, potential contaminant source areas, and regional groundwater use.
- Served as Site Hydrogeologist responsible for evaluation of aquifer tests and groundwater flow conditions as part of a water supply project in Puerto Rico. Performed the evaluation of water supply potential to support development of a site for a chemical manufacturing facility.
- Project hydrogeologist involved with the repermitting of a uranium mill and mine in Grants, New Mexico. Evaluation of hydrogeological data for an underground uranium mine.
- Project hydrogeologist responsible for the evaluation of an abandoned coal strip mine for redevelopment as a solid waste landfill. Project included the evaluation of hydrogeological, geochemical, geophysical and surface water quality data.
- Project hydrogeologist responsible for the dewatering of a uranium mill tailings dam to increase dam stability. Project involved the installation of horizontal drains and monitoring water levels within the tailings dam.

Professional Memberships

American Institute of Professional Geologists (AIPG)
 Colorado Mining Association
 Environmental Law Institute
 National Ground Water Association (NGWA)

Professional Certifications and Registrations

Professional Geologist, Florida (No. 492), 1994

Professional Geologist, Kentucky (No. 1178), 1996

Professional Geologist, North Carolina (No. 256), 1995

Professional Geologist, Wyoming (No. 1248), 1995

TINA L. JENKINS

Senior Project Manager

B.S. Chemistry, 1987
Southeastern Oklahoma State University

Ms. Jenkins has 10 years of professional experience in the environmental consulting field. This experience has included project management for remediation projects, closure projects, and projects related to the Resource Conservation and Recovery Act (RCRA). She is skilled in preparing risk assessments for both CERCLA and RCRA sites, the interpretation of disposal rules, treatability studies, compliance audits on disposal practices and/or permits, and closure activities. Ms. Jenkins is also experienced in, and has managed investigative projects for, soil and groundwater investigations and the preparation of workplans and Health and Safety Plans. Ms. Jenkins has been a Project Manager for numerous large projects, and has supervised other technical and professional staff members. Her project experience is presented below.

Project Experience

- Served as Project Manager and Field Supervisor for the investigation and excavation of 15 potentially illegal landfills located within various Galveston County Parks and Road Department facilities. At least seven illegal landfills were revealed during excavation activities, which were excavated and closed in accordance with requirements set forth by the Texas Natural Resource Conservation Commission (TNRCC) and the Galveston County Health District. Excavated materials were characterized and properly disposed. A wetlands permit was obtained from the Corps of Engineers for one of the locations. Contaminated soils in one location extended under the foundation of a building, and an in-situ bioremediation system was designed and installed, which effectively lowered hydrocarbon levels in the soils.
- Served as Project Manager for an investigative and remediation project of leaking PCB-containing transformers. Decontaminated and excavated approximately 100,000 square feet of concrete inside a warehouse facility, negotiated PCB levels with the EPA for a savings to the client in excess of \$100,000, and cleaned and removed 21 aboveground storage tanks (ASTs) in accordance with state and federal requirements. Additional project tasks included groundwater sampling and evaluation for potential operational practice contamination, QA/QC plan for developing and sampling monitoring wells, removal of PCB-contaminated soils from beneath a structure on the property, and removal and closure of an underground storage tank (UST) located during construction activities. A risk-based closure will be conducted for contamination of the groundwater.
- Served as Project Manager for the removal of a leaking UST where over-excavation of the soil was required. Performed removal and clean-up in accordance with the Texas Natural Resource Conservation Commission and EPA regulations.
- Conducted quarterly monitoring for a landfill operator at two landfills in Louisiana as required by state permits. Developed and sampled approximately 30 wells in accordance with groundwater monitoring protocol developed by an environmental engineering company.
- Served as Project Manager and Auditor for a confidential client of an unpermitted facility which treated photographic waste for silver recovery, stored and distributed photographic chemicals, and

served X-ray equipment. Audit was conducted with respect to OSHA, RCRA, Sara Title III, TNRCC, and city requirements.

- Served as Project Manager and Field Supervisor for a pesticide distributor at multiple locations throughout Texas and Oklahoma. Included field sampling, supervision of UST closures, analytical evaluations, and preparation of closure reports to the respective state agencies.
- Performed regulatory research and proposed a management decision tree for UST compliance for a confidential, multi-facility client with sites in Texas, Oklahoma, Louisiana, and Arkansas.
- Served as Project Manager and Field Supervisor for a confidential industrial facility with subsurface contamination beneath various active portions of the facility. Conducted a subsurface investigation of soil and groundwater to determine the extent of contamination. A Risk Assessment will be conducted in an attempt to close the areas in-place, based on TNRCC Risk Reduction Rules.
- Served as Project Manager for the removal of four Solid Waste Management Unit (SWMU) sites at a U.S. Air Force base in San Antonio, Texas, which consisted of seven USTs previously containing hazardous waste. Removal and closure were conducted in accordance with RCRA and TNRCC regulations. Specific tasks included oversight of tank excavation, air monitoring, soils and liquid sampling, QA/QC on laboratory analyses, determining obtainable closure standards for each SWMU site, and preparing closure reports for the TNRCC.
- Conducted and managed the closure of a confidential client at an abandoned brine manufacturing facility in Texas. Included sampling over 100 unlabeled drums, characterizing small quantity substances from an on-site laboratory, and lab-packing the substances in accordance with the U.S. Department of Transportation (DOT), EPA, and the disposal facility's permit requirements.
- Served as Project Manager working under contract as an Environmental Consultant at Oak Ridge National Laboratory in Tennessee. Included providing regulatory expertise during internal government audits of the 'Tiger Team' and to laboratory management, classification of waste according to state and federal regulations, profiling waste into appropriate facilities, and manifesting shipments.
- Conducted the literature search and compliance audit for a confidential client of an unpermitted waste transporter/storer/treater to determine steps to be taken to gain compliance.
- Conducted the Phase II and III property assessments for a closed paint and metals fabricator in Texas. Included the installation of groundwater piezometers and the collection of groundwater samples for the evaluation of the leachability of contaminants in the soil. Phase III remediation activities also included supervision of a removal and disposal action.
- Performed Remedial Investigation/Feasibility Study (RI/FS) for an abandoned steel mill in Fremont, California. Reviewed federal and state guidelines for a border zone study which entailed evaluation of exposure pathways and fate and transport of contaminants. Conducted a stream survey to include sampling as input to the endangered biota from overland flow and groundwater discharge. Provided technical support and project coordination.
- Served as Co-manager and author for the risk assessment and data presentation for a confidential

client in Ohio regarding exposure of adjacent populations in a monitored closure of several pre-RCRA waste disposal units. Applied EPA guidelines to quantify risks for exposure through water, soils, and consumption of fish.

- Served as a Senior Chemist responsible for the preparation, review, tracking, and submittal of hazardous waste profiles for U.S. Department of Defense (DOD) installations for a variety of disposal facilities.
- Prepared hazardous materials manifests and segregation of waste for lab packs according to DOT and EPA regulations. Included labeling and preparation of drummed waste for shipment at generating facility.
- Served as a Profile Chemist primarily responsible for preparation, review, tracking, and submittal of all hazardous waste profile sheets for landfill disposal, recycling, etc. of waste generated by DOD installations. Included review of lab-pack inventories to ensure chemical compatibilities through use of the ChemBase computer and hazardous waste manifest preparation. Also involved sampling, characterization/hazcatting, labeling, and preparation for shipment of drummed and bulk waste at generating facilities.
- Provided manifest and analytical discrepancy resolution for waste arriving at a landfill facility through correspondence with CORs.
- Conducted chemical research and clarification of manufacturers' products utilizing knowledge of facility permits. Recommended modifications to waste analysis plan for Class 2 modifications.

Professional Certifications and Registrations

40-Hour OSHA 40-Hour Health & Safety Certification (29 CFR 1910.120), 1988
8-Hour OSHA Health & Safety Annual Update Certification, 1997
8-Hour OSHA Site Supervisor's Certification, 1992
8-Hour OSHA Hazardous Waste Site Operators Training Curriculum Certification, 1992
8-Hour Haz-Mat Regulatory Compliance Certification, 1992
16-Hour Hazardous Waste Regulations and Procedures Certification, 1992
10-Hour OSHA Construction Safety Awareness Course, 1996
Hazardous Communications Certification, 1996
Bloodborne Pathogens Certification, 1996
First Aid Certification, 1994
CPR Certification, 1997

Professional Training and Continuing Education Courses

"Understanding Federal Environmental Laws and Regulations", Rice University, 1991
"PST Remediation Workshop", TNRCC, 1996
"Risk-Based Assessment Workshop", TNRCC, 1996

Publications

Jenkins, T.L., Position Paper, "The Impact of the F037 and F038 Rules on Refineries and the Impact of the F032 Wastes on CERCLA Operations", 1991.

JOSEPH DUDGEON WALKER

Project Manager

B.S. Geology/Geoscience, 1986
Texas Tech University

Mr. Walker has 10 years of professional experience in the environmental consulting field. His background consists of Phase I, II, and III ESAs, audits, hazardous waste site project management, and regulatory compliance. His experience also includes USTs, asbestos surveys, and property assessments for real estate. Mr. Walker has conducted numerous sampling investigations and data collection projects, monitoring well installations, and wetland determination studies. OPA 90 Plan development and response mapping for worst case spill scenarios are also part of Mr. Walker's extensive environmental and socioeconomic expertise. His project experience is detailed below.

Project Experience

- Managed and conducted more than 300 Phase I and Phase II property assessments for real estate transactions at sites located throughout the U.S.
- Performed Phase II and Phase III assessments that included identification of hazardous materials, sampling and analyses, and groundwater monitoring.
- Performed Phase II and Phase III assessments, including soil borings, monitor well installation, groundwater sampling.
- Performed Phase III hazardous materials remediation and disposal.
- Performed Comprehensive Asbestos Surveys and reports per AHERA and NESHAPS guidelines.
- Managed hazardous waste remediation projects.

Professional Memberships

Texas Water Well Association
Houston Archeological Society
Texas Association of Environmental Professionals (TAEP)

Professional Certifications and Registrations

40-Hour OSHA Health & Safety Certification (29 CFR 1910.120), 1991, 1994, 1995
8-Hour OSHA Health & Safety Annual Certification Update, 1997
8-Hour OSHA Supervisor's Certification, 1997

Professional Training and Continuing Education Courses

Asbestos Inspector Training Course, 1989, 1990, 1992, 1993, 1994

10-Hour OSHA Construction Safety Awareness Course: Hazardous Communication Bloodborne Pathogen

APPENDIX B
SITE PHOTOGRAPHS

LIST OF SITE PHOTOGRAPHS

Photo 1 -	View of Sheffield Steel's oil tanks and oil pump house	B - 2
Photo 2 -	View of tanker trailer with a placard ID number of 3264 (corrosive, liquid, acid, inorganic) at Phibro Tech Incorporated	B - 2
Photo 3 -	View looking east at Phibro Tech Incorporated	B - 3
Photo 4 -	View of Rho Chemical showing plastic 55-gallon drums in the interior	B - 3
Photo 5 -	View of Phibro Tech Incorporated's interior showing stacked 55-gallon drums.	B - 4
Photo 6 -	AST's located at Phibro Tech Incorporated	B - 4
Photo 7 -	Amoco station located upgradient on Broadway and Theodore Street	B - 5
Photo 8 -	View of north adjacent property depicting Seeler Industries across Theodore Street and discarded drums south of railroad tracks	B - 5
Photo 9 -	View of iron pilings adjacent to the east	B - 6
Photo 10 -	View of subject property looking north depicting oxygen, propane, and diesel AST's as well as three 55-gallon drums	B - 6
Photo 11 -	View of dumpster, propane tank and sed drums located adjacently south to the subject property	B - 7
Photo 12 -	Two diesel AST's locatd on Sheffield Steel's property	B - 7
Photo 13 -	Black surfact staining long side of steel pipe	B - 8
Photo 14 -	Stained area where trackhoe had a release of oil	B - 8



Photo 1 - View of Sheffield Steel's oil tanks and oil pump house.



Photo 2 - View of tanker trailer with a placard ID number of 3264 (corrosive, liquid, acid, inorganic) at Phibro Tech Incorporated.



Photo 3 - View looking east at Phibro Tech Incorporated.



Photo 4 - View of Rho Chemical showing plastic 55-gallon drums in the interior.



Photo 5 - View of Phibro Tech Incorporated's interior showing stacked 55-gallon drums.



Photo 6 - AST's located at Phibro Tech Incorporated.



Photo 7 - Amoco station located upgradient on Broadway and Theodore Street.



Photo 8 - View of north adjacent property depicting Seeler Industries across Theodore Street and discarded drums south of railroad tracks.



Photo 9 - View of iron pilings adjacent to the east.



Photo 10 - View of subject property looking north depicting oxygen, propane, and diesel AST's as well as three 55-gallon drums.



Photo 11 - View of dumpster, propane tank and used drums located adjacently south to the subject property.

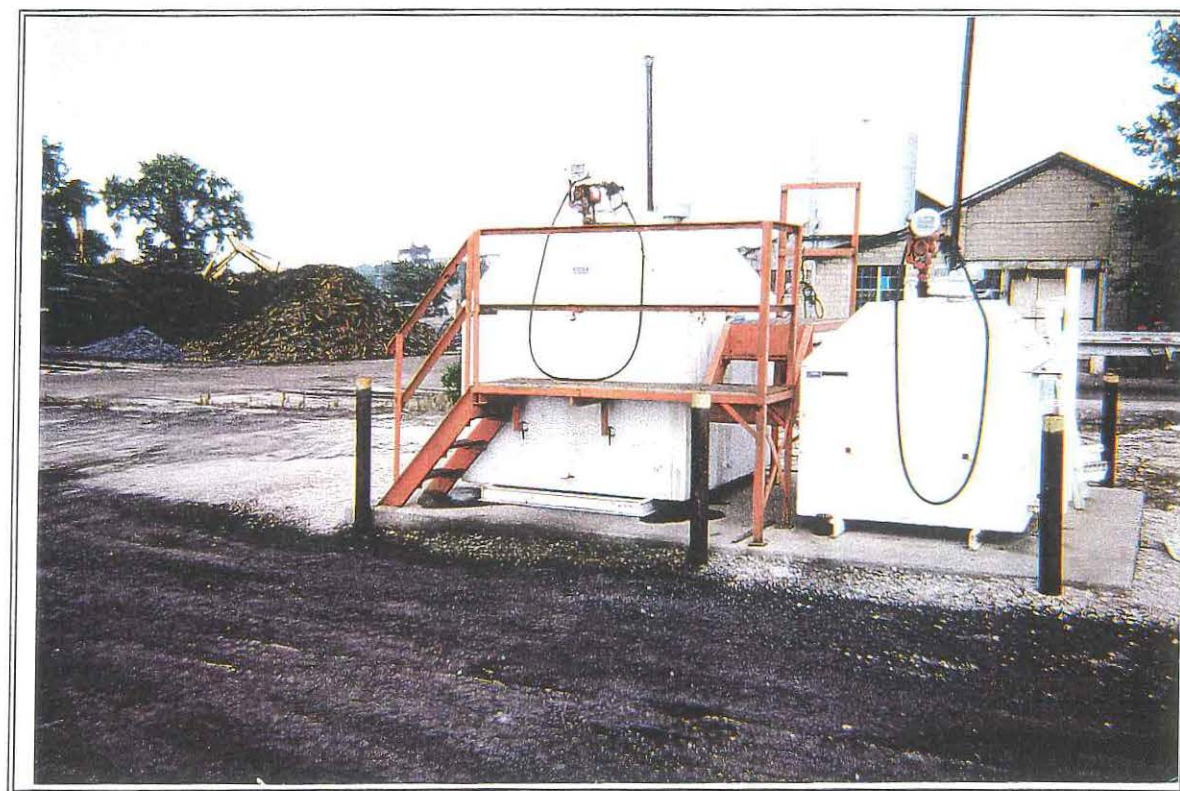


Photo 12 - Two diesel AST's located on Sheffield Steel's property.



Photo 13- Black surface staining along side of steel pipe.

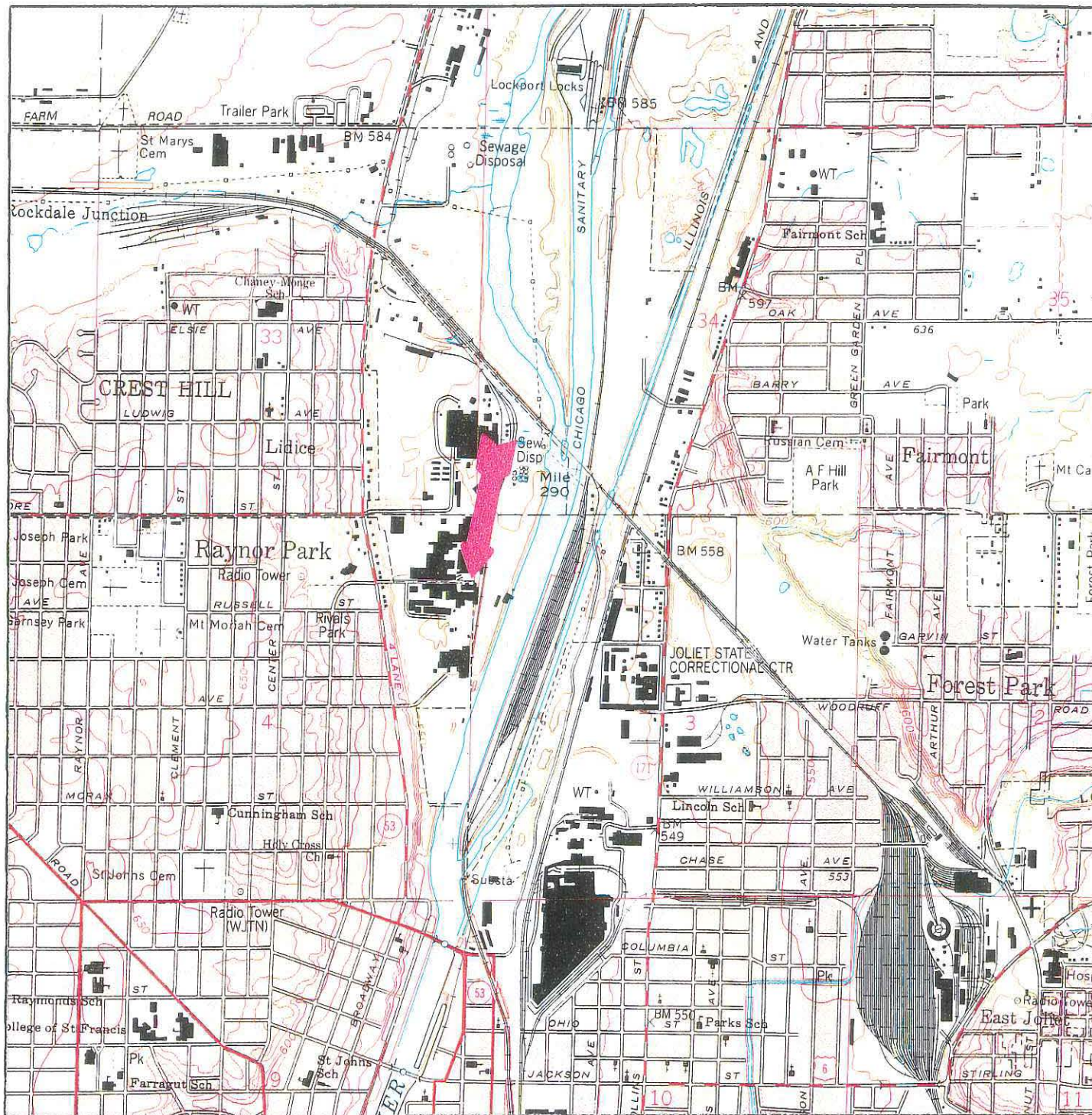


Photo 14 - Stained area where tackhoe had a release of oil.

APPENDIX C

SUPPORT DOCUMENTATION

Topographic Map
Site Map
Will County Soil Survey Map
Aerial Photograph - 1997
Aerial Photograph - 1986
Aerial Photograph - 1976
Historical Topographic Map - 1962
Historical Topographic Map - 1973
Historical Topographic Map - 1993



U.S.G.S. 7.5 MINUTE SERIES (TOPOGRAPHIC)

JOLIET QUADRANGLE
ILLINOIS

24,000 0 24,000
SCALE IN FEET



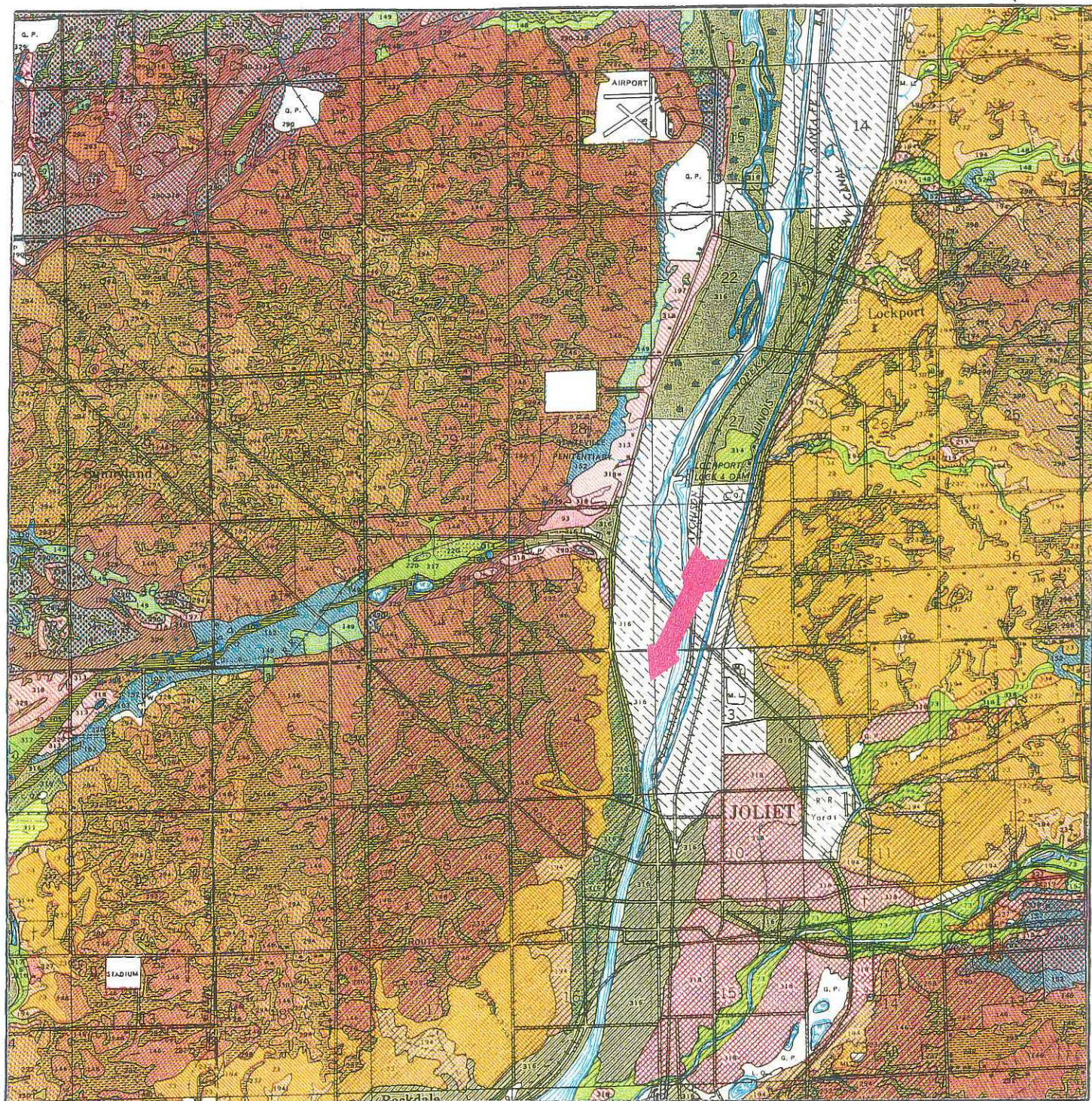
DWN TMB
APPR
DATE 8/4/98
JOB NO. 8019Q-010-01
CAD FILE SLM-0901

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Suite 210
Houston, Texas 77060

SSMP TRADING

1 Industrial Ave.
Joliet, Illinois

*Site Location
Map*



SOURCE: "SOIL SURVEY OF WILL COUNTY, ILLINOIS"



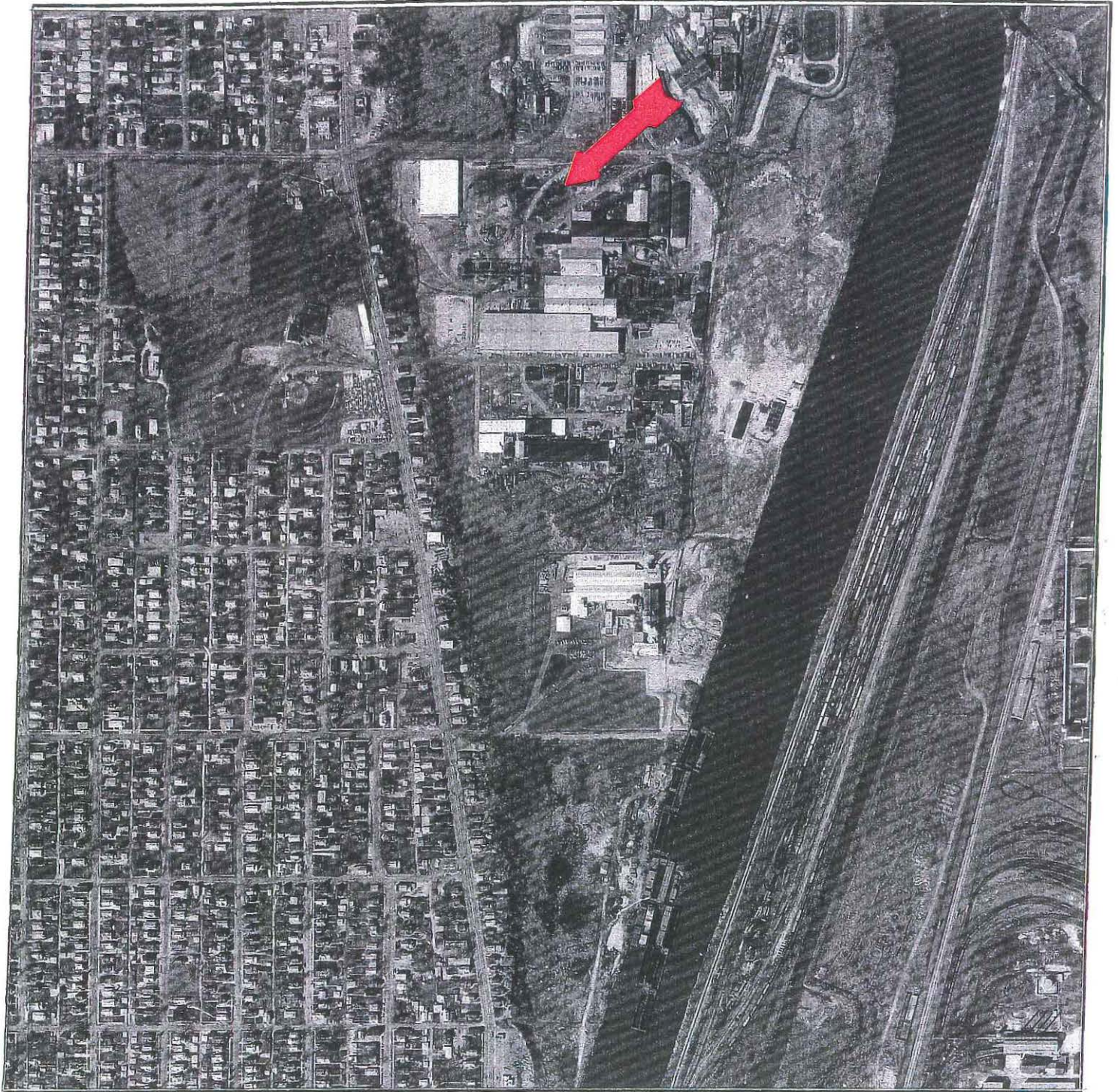
DWN	TMB
APPR	
DATE	8/4/98
JOB NO.	B0190-010-01
CAD FILE	SLM-0901

SECOR
 16800 Imperial Valley Dr.
 Suite 210
 Houston, Texas 77060

SSMP TRADING

1 Industrial Ave.
 Joliet, Illinois

Soil Survey Map



SOURCE: ACE AERIAL 1997

500 0 500
SCALE IN FEET



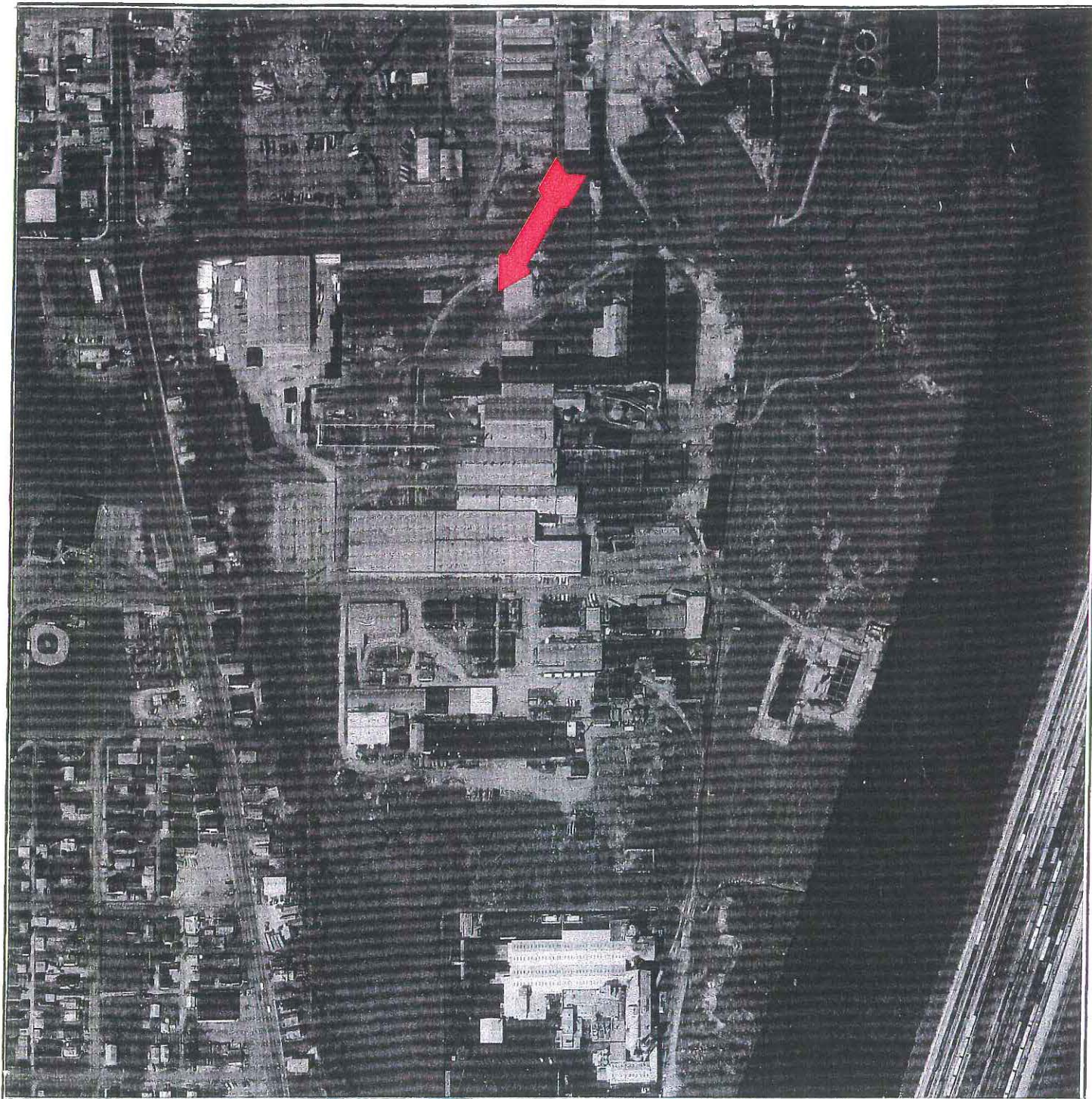
DWN	TMB
APPR	
DATE	8/4/98
JOB NO.	B0190-010-01
CAD FILE	SLM-0901

SECOR
16800 Imperial Valley Dr.
Suite 210
Houston, Texas 77060

SSMP TRADING

1 Industrial Ave.
Joliet, Illinois

*Historical
Aerial Photo
1997*



SOURCE: ACE AERIAL 1986

500 0 500
 SCALE IN FEET



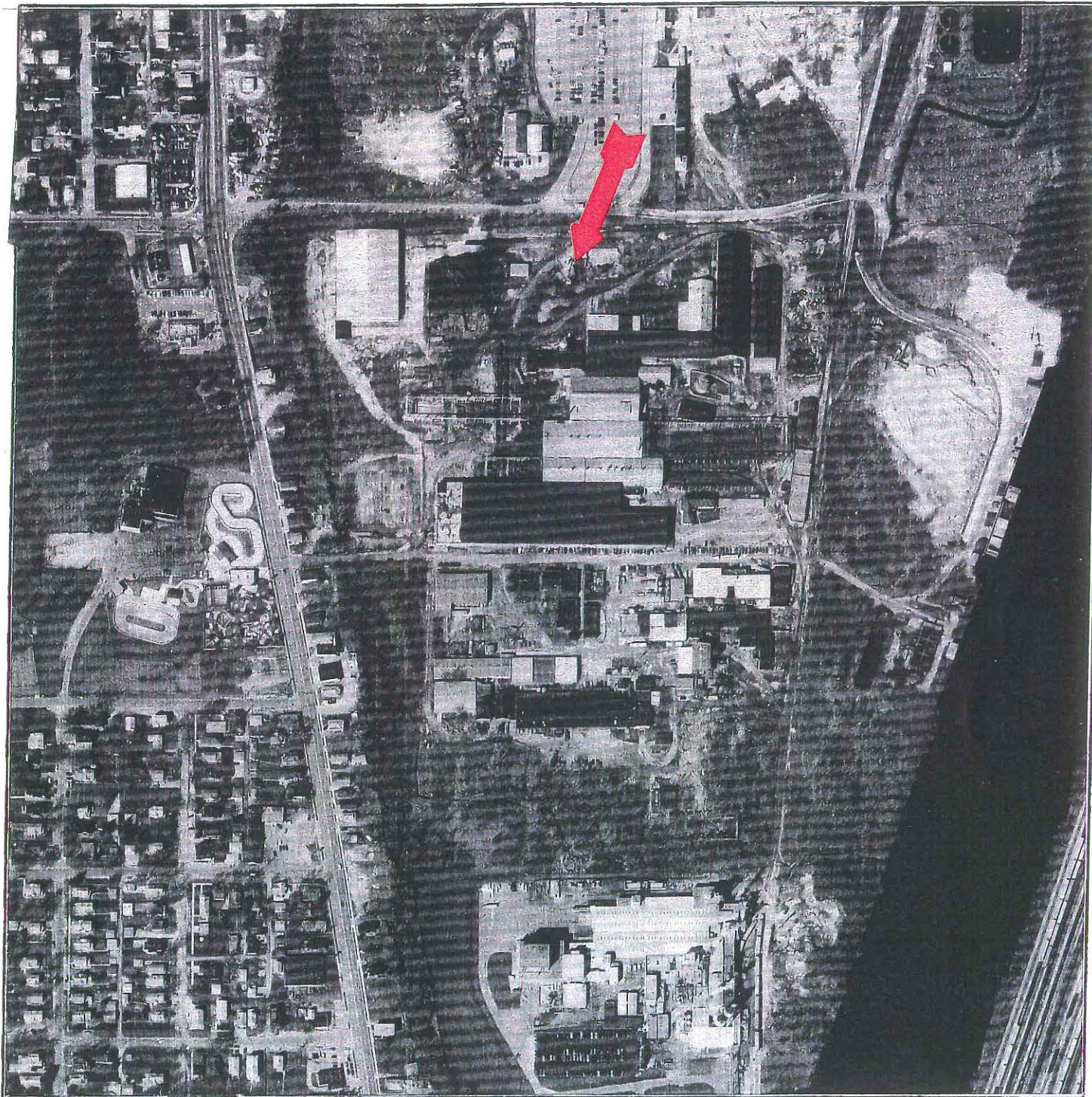
DWN TMB
 APPR
 DATE 8/4/98
 JOB NO. 80190-010-01
 CAD FILE SLM-0901

SECOR
 16800 Imperial Valley Dr.
 Suite 210
 Houston, Texas 77060

SSMP TRADING

1 Industrial Ave.
 Joliet, Illinois

*Historical
 Aerial Photo
 1986*



SOURCE: ACE AERIAL 1976

500 0 500
 SCALE IN FEET



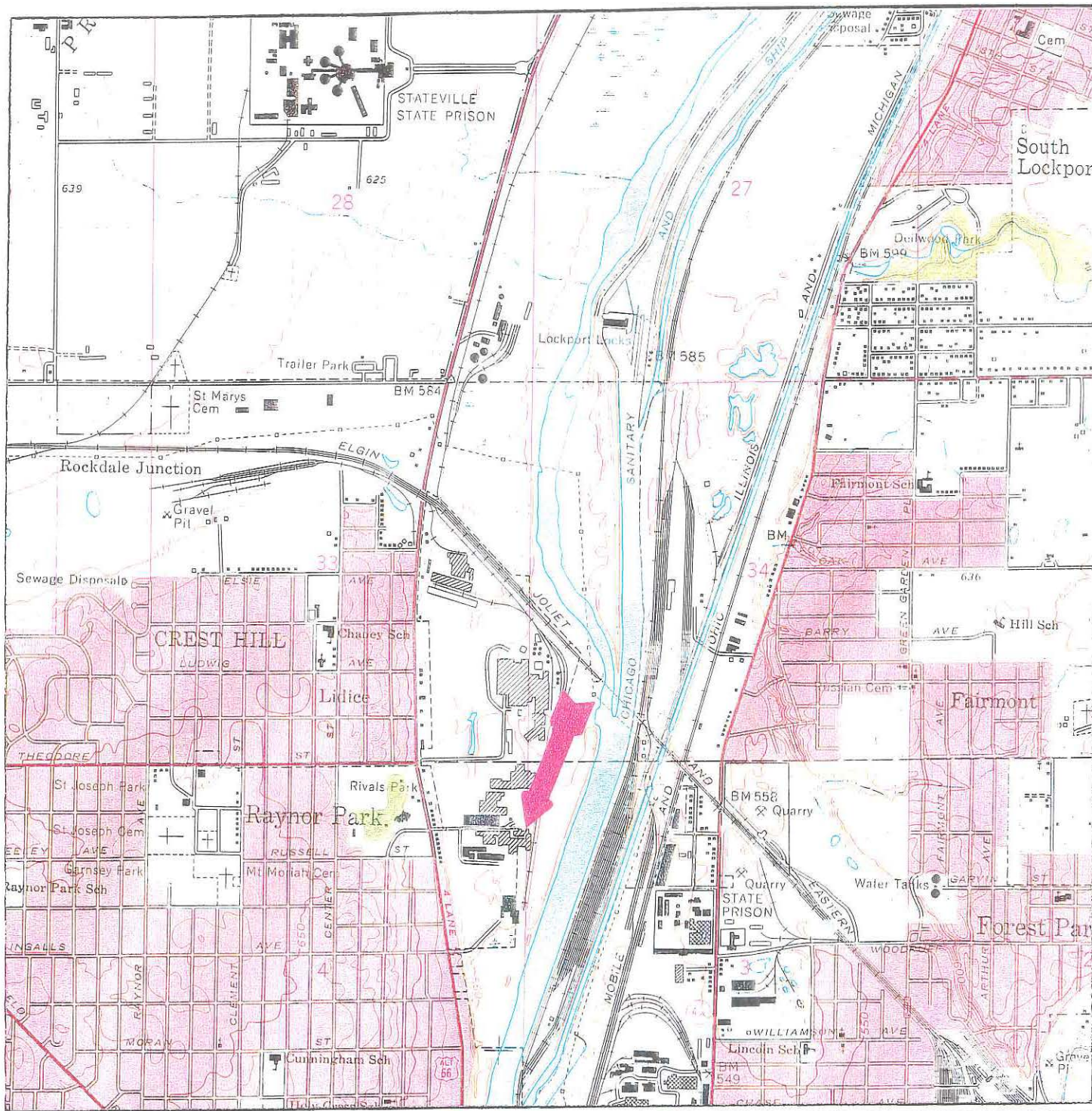
DWN _____ TMB _____
 APPR _____
 DATE 8/4/98
 JOB NO. B0190-010-01
 CAD FILE SLM-0901

SECOR
 16800 Imperial Valley Dr.
 Suite 210
 Houston, Texas 77060

SSMP TRADING

1 Industrial Ave.
 Joliet, Illinois

*Historical
 Aerial Photo
 1976*



U.S.G.S. 7.5 MINUTE SERIES (TOPOGRAPHIC)

JOLIET QUADRANGLE
ILLINOIS



1962

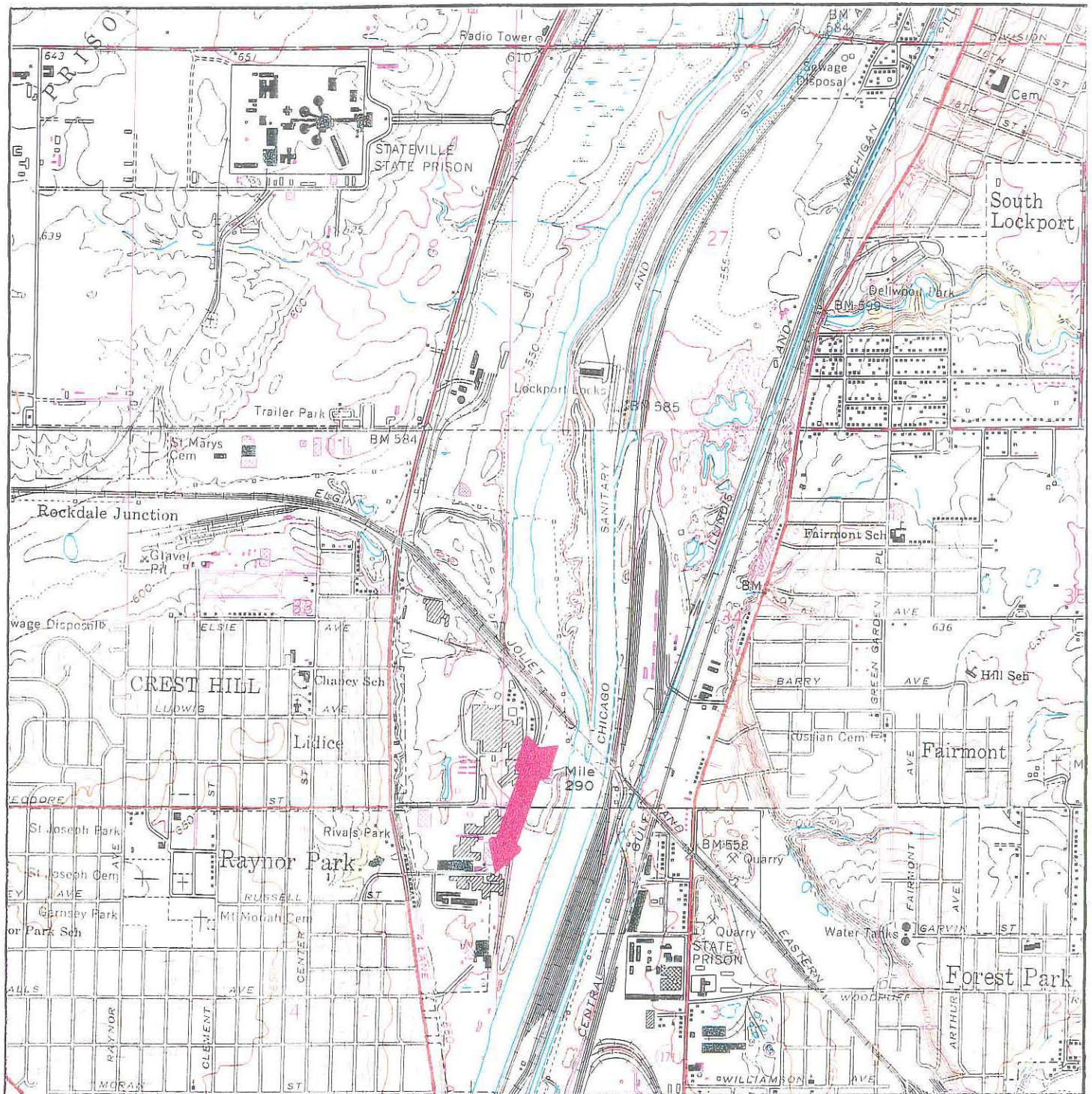
DWN _____ TMB
APPR _____
DATE 8/4/98
JOB NO. B0190-010-01
CAD FILE SLM-0901

SECOR
16800 Imperial Valley Dr.
Suite 210
Houston, Texas 77060

SSMP TRADING

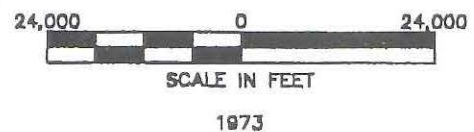
1 Industrial Ave.
Joliet, Illinois

*Historical
Topographic
Map*



U.S.G.S. 7.5 MINUTE SERIES (TOPOGRAPHIC)

JOLIET QUADRANGLE
ILLINOIS



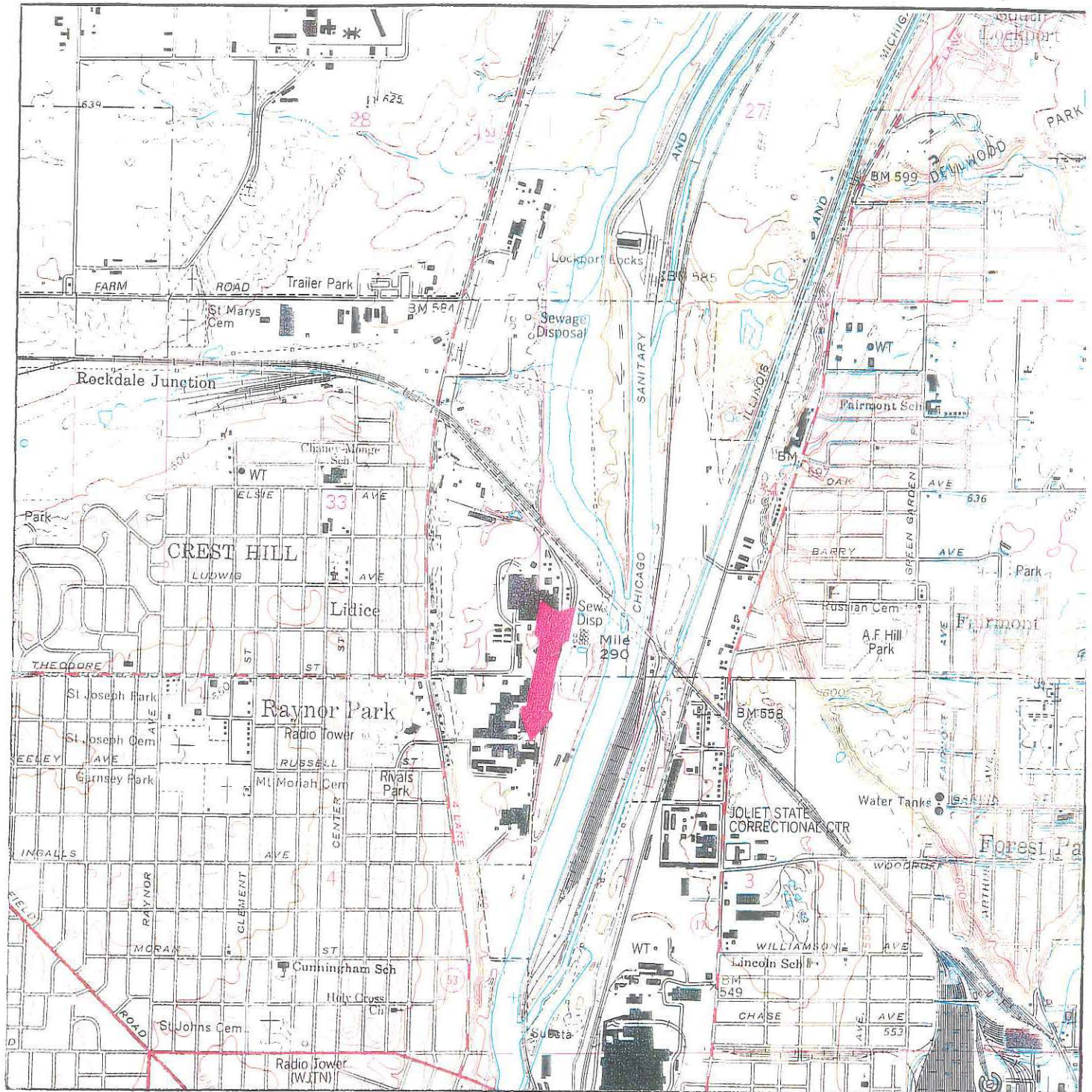
OWN TMB
APPR
DATE 8/4/98
JOB NO. B0190-010-01
CAD FILE SLM-0901

SECOR
16800 Imperial Valley Dr.
Suite 210
Houston, Texas 77060

SSMP TRADING

1 Industrial Ave.
Joliet, Illinois

*Historical
Topographic
Map*



U.S.G.S. 7.5 MINUTE SERIES (TOPOGRAPHIC)

JOLIET QUADRANGLE
ILLINOIS

24,000 0 24,000
SCALE IN FEET

1993



DWN TMB
APPR
DATE 8/4/98
JOB NO. B0190-010-01
CAD FILE SLM-0901

SECOR
16800 Imperial Valley Dr.
Suite 210
Houston, Texas 77060

SSMP TRADING
1 Industrial Ave.
Joliet, Illinois

*Historical
Topographic
Map*

APPENDIX D
REGULATORY ELECTRONIC FILE SEARCH REPORT



The EDR-Radius Map with GeoCheck™

**Sand Springs Metal Proc. Corp.
One Industry Avenue
Joliet, IL 60435**

Inquiry Number: 258482.13s

May 28, 1998

The Source For Environmental Risk Management Data

**3530 Post Road
Southport, Connecticut 06490**

Nationwide Customer Service

**Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com**

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

The address of the subject property for which the search was intended is:

ONE INDUSTRY AVENUE
JOLIET, IL 60435

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the subject property or within the ASTM E 1527-97 search radius around the subject property for the following Databases:

NPL:	National Priority List
Delisted NPL:	NPL Deletions
CERC-NFRAP:	Comprehensive Environmental Response, Compensation, and Liability Information System
SWF/LF:	Available Disposal for Solid Wast in Illinois- Solid Waste Landfills Subject to State Surcharge
RAATS:	RCRA Administrative Action Tracking System
HMIRS:	Hazardous Materials Information Reporting System
PADS:	PCB Activity Database System
ERNS:	Emergency Response Notification System
FINDS:	Facility Index System
TRIS:	Toxic Chemical Release Inventory System
NPL Lien:	NPL Liens
TSCA:	Toxic Substances Control Act
MLTS:	Material Licensing Tracking System
Plan Comm:	Illinois Planning Comm.
ROD:	ROD
CONSENT:	Superfund (CERCLA) Consent Decrees

Unmapped (orphan) sites are not considered in the foregoing analysis.

Search Results:

Search results for the subject property and the search radius, are listed below:

Subject Property:

The subject property was identified in the following government records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
SHEFFIELD STEEL CORP. 1 INDUSTRY AVE JOLIET, IL	LUST	N/A

EXECUTIVE SUMMARY

Surrounding Properties:

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the subject property includes a tolerance of -10 feet. Sites with an elevation equal to or higher than the subject property have been differentiated below from sites with an elevation lower than the subject property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-TSD list, as provided by EDR, and dated 01/01/1998 has revealed that there is 1 RCRIS-TSD site within approximately 0.5 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PHIBRO TECH INC</i>	<i>10 INDUSTRY AVE</i>	<i>0 - 1/8 W</i>	<i>A2</i>	<i>9</i>

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data comes from the Illinois Environmental Protection Agency's Category List.

A review of the SHWS list, as provided by EDR, has revealed that there is 1 SHWS site within approximately 1 Mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>SEELER IND INC</i>	<i>2000 N BROADWAY</i>	<i>1/2 - 1 NNW</i>	<i>12</i>	<i>13</i>

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 12/31/1997 has revealed that there is 1 CERCLIS site within approximately 0.5 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>INSTA-FOAM PRODUCTS INC</i>	<i>2050 N BROADWAY</i>	<i>1/4 - 1/2 W</i>	<i>8</i>	<i>12</i>

EXECUTIVE SUMMARY

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/15/1997 has revealed that there are 2 CORRACTS sites within approximately 1 Mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PHIBRO TECH INC</i>	<i>10 INDUSTRY AVE</i>	<i>0 - 1/8 W</i>	<i>A2</i>	<i>9</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>AMERWIRE</i>	<i>51 EAST COLUMBIA</i>	<i>1/2 - 1 S</i>	<i>13</i>	<i>13</i>

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data comes from the Illinois Environmental Protection Agency's LUST Incident Report.

A review of the LUST list, as provided by EDR, and dated 01/01/1998 has revealed that there are 3 LUST sites within approximately 0.5 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
UNION BANK	1300 N BROADWAY ST	1/4 - 1/2 SW	7	12
AMOCO OIL CO. #9574	BROADWAY / THEODORE	1/4 - 1/2 WNW	9	12
MARTINSON GAS PARTNERSHIP	1101 N BROADWAY ST	1/4 - 1/2 SSW	10	13

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data comes from the Illinois State Fire Marshal's STC Facility List.

A review of the UST list, as provided by EDR, and dated 08/04/1997 has revealed that there are 2 UST sites within approximately 0.25 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	INDUSTRY AVE	0 - 1/8 WNW	A3	10
Not reported	INDUSTRY AVE	0 - 1/8 WNW	B4	10

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 01/01/1998 has revealed that there are 2 RCRIS-SQG sites within approximately 0.25 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>PHIBRO TECH INC</i>	<i>10 INDUSTRY AVE</i>	<i>0 - 1/8 W</i>	<i>A2</i>	<i>9</i>
<i>INDUSTRIAL COLOR INC</i>	<i>50 INDUSTRY AVE</i>	<i>0 - 1/8 W</i>	<i>B6</i>	<i>11</i>

EXECUTIVE SUMMARY

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 01/01/1998 has revealed that there is 1 RCRIS-LQG site within approximately 0.25 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>RHO CHEMICAL CO INC</i>	<i>INDUSTRY AVE BLDG 25</i>	<i>0 - 1/8 WNW B5</i>		<i>11</i>

(Coal Gas) Former Manufactured gas (Coal Gas) Sites:

The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative

A review of the Coal Gas list, as provided by EDR, has revealed that there is 1 Coal Gas site within approximately 1 Mile of the subject property.

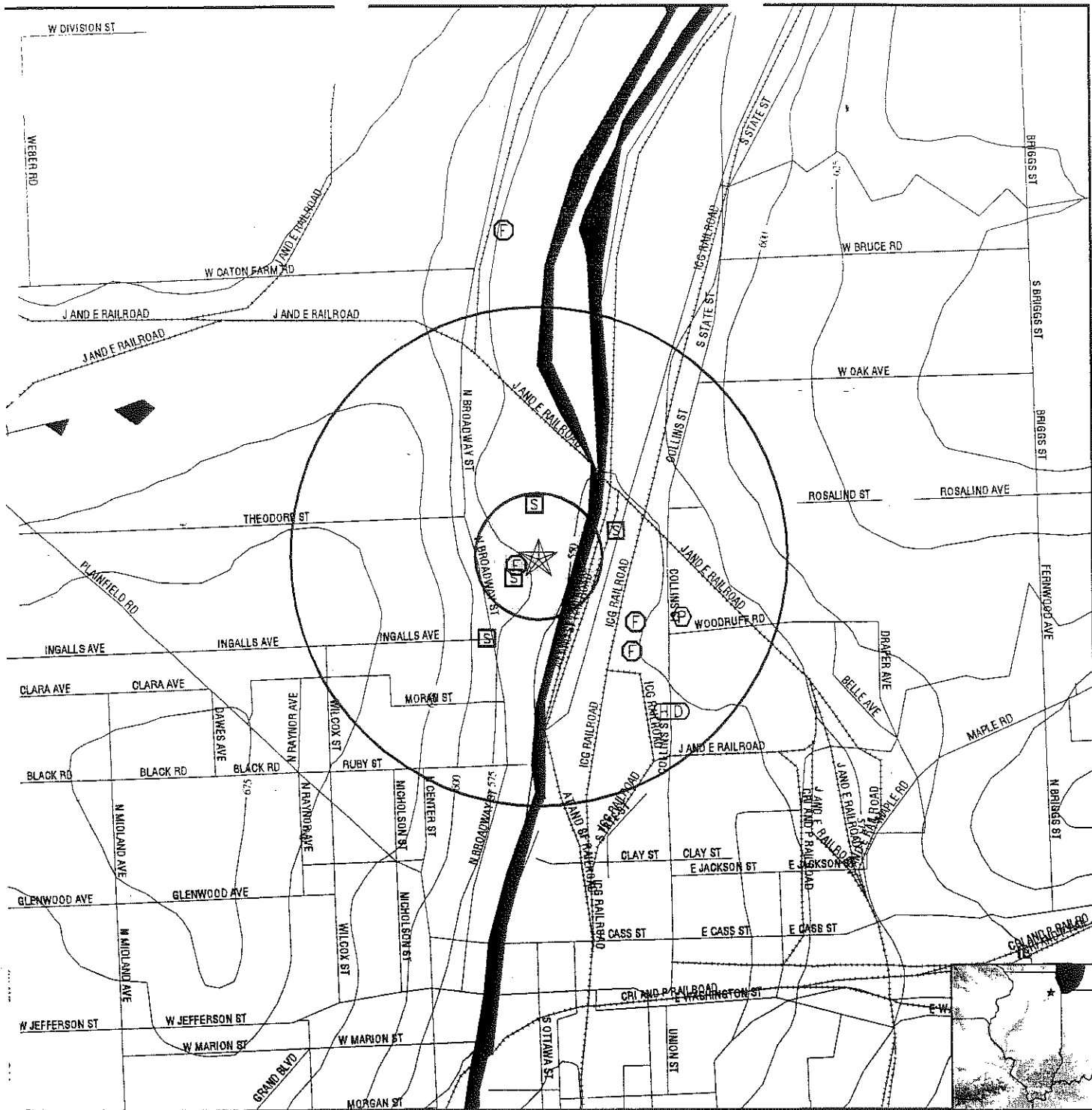
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ILLINOIS STEEL CO.	WEST OF LOCKPORT RD.	1/2 - 1 SSE	11	13

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
MOBIL OIL REFINING	FINDS,LUST
I-55 & RT 30 @ 16TH ST	UST
RT 3	UST
1227 CHANNAHON RD RT 6	UST
IL RT 53 BETWEEN RUBY & GRANITE	UST
TJL LAMBRECHT CONSTRUCTION	RCRIS-SQG

TOPOGRAPHIC MAP - 258482.13s - Holleb & Coff



- Major Roads
- Contour Lines
- Waterways
- Earthquake epicenter, Richter 5 or greater
- Closest Federal Well in quadrant
- Closest State Well in quadrant
- Closest Public Water Supply Well

(HD) Closest Hydrogeological Data

TARGET PROPERTY: Sand Springs Metal Proc. Corp.
 ADDRESS: One Industry Avenue
 CITY/STATE/ZIP: Joliet IL 60435
 LAT/LONG: 41.5502 / 88.0825

CUSTOMER: Holleb & Coff
 CONTACT: Mr. Kenneth Jensen
 INQUIRY #: 258482.13s
 DATE: May 28, 1998 3:00 pm

GEOCHECK VERSION 2.1 SUMMARY

TARGET PROPERTY COORDINATES

Latitude (North): 41.550201 - 41° 33' 0.7"
Longitude (West): 88.082497 - 88° 4' 57.0"
Universal Transverse Mercator: Zone 16
UTM X (Meters): 409718.2
UTM Y (Meters): 4600190.5

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2441088-E1 JOLIET, IL

GEOLOGIC AGE IDENTIFICATION†

Geologic Code: S2
Era: Paleozoic
System: Silurian
Series: Middle Silurian (Niagoaran)

ROCK STRATIGRAPHIC UNIT†

Category: Stratified Sequence

GROUNDWATER FLOW INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, including well data collected on nearby properties, regional groundwater flow information (from deep aquifers), or surface topography.‡

AQUIFLOW™** Search Radius: 2.000 Miles

MAP ID	DISTANCE FROM TP	DIRECTION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported			

General Topographic Gradient at Target Property: General ENE

General Hydrogeologic Gradient at Target Property: The hydrogeologic gradient for this report has been determined using the depth to water table information provided below. Where available, the closest well in each quadrant has been identified (up to a radius of 5 miles around the target property) and used in the gradient calculation. While an attempt has been made to segregate shallow from deep aquifers, this cannot always be assured. Groundwater flow in the aquifer associated with the wells appears generally to be to the SSE. This would appear to be in conflict with the topographical gradient. The direction of the groundwater flow should be determined by a qualified environmental professional.

† Source: P.G. Schnuben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S., at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).
‡ U.S. EPA Ground Water Handbook, Vol I: Ground Water and Contamination, Office of Research and development EPA/625/R-90/016a, Chapter 4, page 78, September 1990.
** EDR AQUIFLOW™ information System of hydrogeologically determined groundwater flow directions at specific locations. See the data pages at the end of this report for a complete description.

GEOCHECK VERSION 2.1 SUMMARY

Site-Specific Hydrogeological Data*:

Search Radius: 2.0 miles
 Location Relative to TP: 1/2 - 1 Mile SE
 Site Name: Us Steel Corp Joliet Works
 Site EPA ID Number: ILD005454566
 Groundwater Flow Direction: W TOWARD THE DES PLAINES RIVER.
 Inferred Depth to Water: 25 feet.
 Hydraulic Connection: The near-surface Quaternary drift deposits and underlying Silurian Dolomite bedrock are hydraulically connected because of the absence of a confining layer.
 Sole Source Aquifer: A sole source aquifer is present at or near the site
 Data Quality: Information is assumed in the CERCLIS investigation report(s)

FEDERAL DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP	LITHOLOGY	DEPTH TO WATER TABLE
Northern	1 - 2 Miles	Not Reported	75 ft.
Eastern	1/4 - 1/2 Mile	Dolomite	245 ft.
Southern	1/2 - 1 Mile	Glacial (undifferentiated)	245 ft.
Western	0 - 1/8 Mile	Dolomite	249 ft.

STATE DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP	DEPTH (FEET)	SOURCE
Northern	1/8 - 1/4 Mile	780	IL Private Water Wells Survey
Eastern	1/4 - 1/2 Mile	250	IL Private Water Wells Survey
Southern	1/4 - 1/2 Mile	Not Reported	IL Geological Survey
Western	1/8 - 1/4 Mile	Not Reported	IL Geological Survey

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

NOTE: PWS System location is not always the same as well location.

PWS Name: JOLIET CRCTL CTR
 JOLIET TWP, IL 60432

Location Relative to TP: 1/2 - 1 Mile East

PWS currently has or has had major violation(s): Yes

AREA RADON INFORMATION

EPA Radon Zone for WILL County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

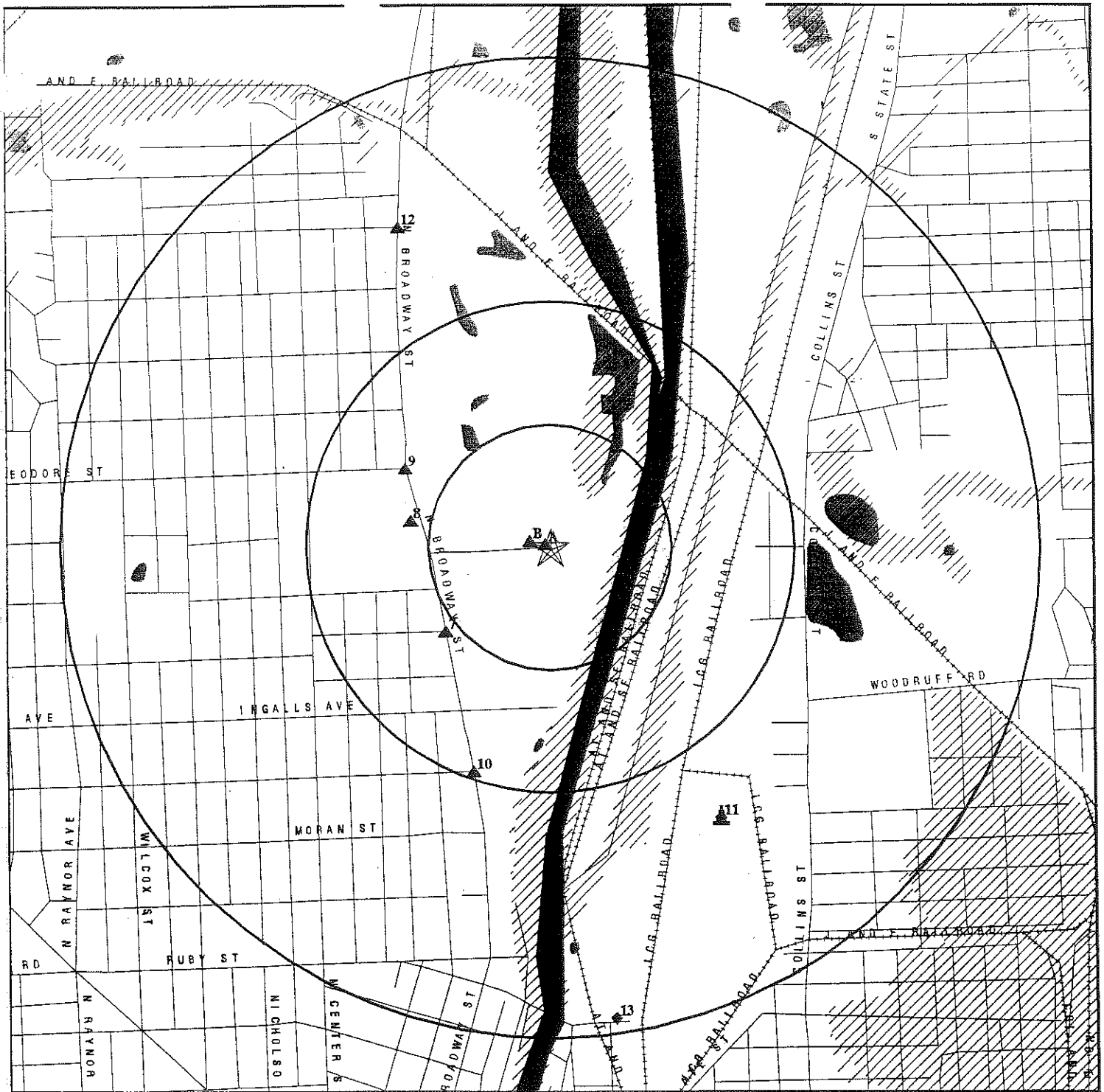
: Zone 3 indoor average level < 2 pCi/L.

Zip Code: 60435

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	4.667 pCi/L	0%	100%	0%

OVERVIEW MAP - 258482.13s - Holleb & Coff



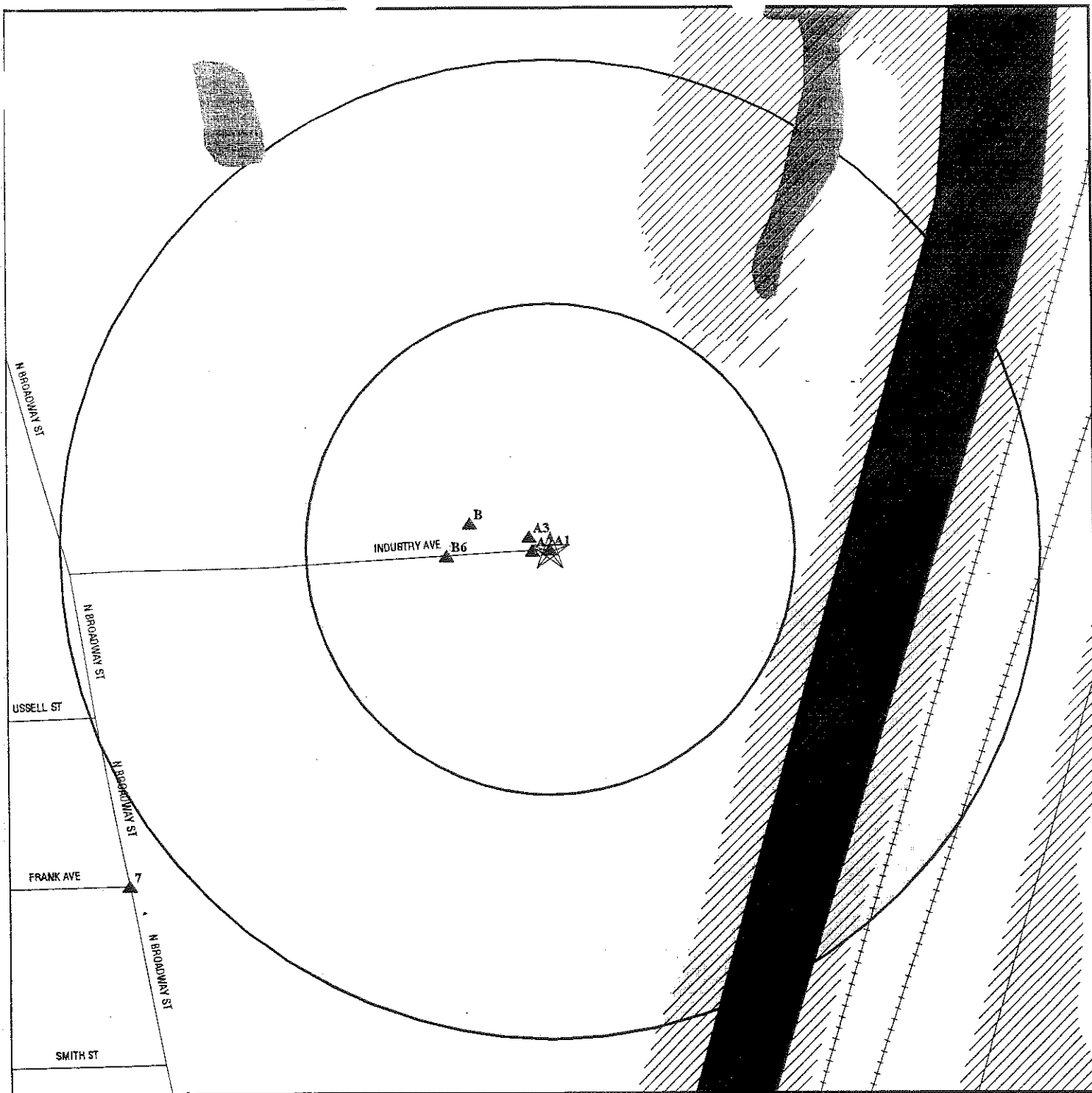
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (If requested)
- ▨ National Priority List Sites
- ▨ Landfill Sites

- ~ Power transmission lines
- ~ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY: Sand Springs Metal Proc. Corp.
 ADDRESS: One Industry Avenue
 CITY/STATE/ZIP: Joliet IL 60435
 LAT/LONG: 41.5502 / 88.0825

CUSTOMER: Holleb & Coff
 CONTACT: Mr. Kenneth Jensen
 INQUIRY #: 258482.13s
 DATE: May 28, 1998 2:52 pm

DETAIL MAP - 258482.13s - Holleb & Coff



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites

- ~ Power transmission lines
- ~ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▧ 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)

0 1/16 1/8 1/4 Miles

TARGET PROPERTY: Sand Springs Metal Proc. Corp.
 ADDRESS: One Industry Avenue
 CITY/STATE/ZIP: Joliet IL 60435
 LAT/LONG: 41.5502 / 88.0825

CUSTOMER: Holleb & Coff
 CONTACT: Mr. Kenneth Jensen
 INQUIRY #: 258482.13s
 DATE: May 28 1998 2:57 pm

MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		0.500	1	0	0	NR	NR	1
State Haz. Waste		1.000	0	0	0	1	NR	1
CERCLIS		0.500	0	0	1	NR	NR	1
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	1	0	0	1	NR	2
State Landfill		0.500	0	0	0	NR	NR	0
LUST	X	0.500	0	0	3	NR	NR	3
UST		0.250	2	0	NR	NR	NR	2
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	2	0	NR	NR	NR	2
RCRIS Lg. Quan. Gen.		0.250	1	0	NR	NR	NR	1
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
Illinois Planning Comm.		0.500	0	0	0	NR	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
Coal Gas		1.000	0	0	0	1	NR	1

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

<p align="center">MAP FINDINGS SUMMARY SHOWING ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP</p>
--

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		0.500	1	0	0	NR	NR	1
State Haz. Waste		1.000	0	0	0	1	NR	1
CERCLIS		0.500	0	0	1	NR	NR	1
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	1	0	0	0	NR	1
State Landfill		0.500	0	0	0	NR	NR	0
LUST	X	0.500	0	0	3	NR	NR	3
UST		0.250	2	0	NR	NR	NR	2
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	2	0	NR	NR	NR	2
RCRIS Lg. Quan. Gen.		0.250	1	0	NR	NR	NR	1
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
Illinois Planning Comm.		0.500	0	0	0	NR	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target
Property

SHEFFIELD STEEL CORP.
1 INDUSTRY AVE
JOLIET, IL

LUST

S100532745
N/A

LUST:

Facility ID: 921619 IL EPA ID: 1970455019

A2
West
< 1/8
Higher

PHIBRO TECH INC
10 INDUSTRY AVE
JOLIET, IL 60435

RCRIS-SQG
FINDS
TRIS
RCRIS-TSD
CORRACTS
CERC-NFRAP

1000344816
ILD062480850

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported
Ownership Status: UNKNOWN
EPA Notes: Not reported

Federal Facility: NO
NPL Status: NOT ON NPL

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY
Assessment: PRELIMINARY ASSESSMENT

Completed: 06/07/90
Completed: 10/01/90

CERCLIS-NFRAP Alias Name(s):

C P INORGANICS INC.

CORRACTS Data:

Prioritization: High
Status: RCRA Facility Assessment Completed, Determination of Need for a RCRA Facility Investigation, RFI Imposition, RFI Workplan Approved

RCRIS Corrective Action Summary:

Effective Date: 09/27/93
Legal Authority: RCRA 3004(u) or equivalent

RCRIS:

Owner: CP CHEMICAL
(312) 555-1212
Contact: KENNETH SELBY
(815) 727-1074

Record Date: 08/19/80

Classification: TSDF, Hazardous Waste Transporter

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1995

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	410.01	D002	6176502.24
D003	100.00	D004	44551.51
D005	75.00	D006	278170.96
D007	6063713.41	D008	6019161.89
D009	75.00	D010	159905.44
D011	159930.44	P030	100.00
U197	75.00	U220	100.00
U226	75.00		

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

PHIBRO TECH INC (Continued)

1000344816

Used Oil Recyc: No

TSDF Activities: Not reported

Violation Status: Violations exist

There are 6 compliance/violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Financial Record Review (FRR)	TSD-Financial Responsibility Requirements	12/19/95
Financial Record Review (FRR)	TSD-Financial Responsibility Requirements	05/05/94
Financial Record Review (FRR)	TSD-Financial Responsibility Requirements	05/12/92
	TSD-Financial Responsibility Requirements	05/12/92
Other Evaluation	TSD-Other Requirements	07/19/90
	TSD-Other Requirements	07/19/90
	TSD-Other Requirements	07/19/90
Compliance Schedule Evaluation (CSE)	TSD-Other Requirements	07/19/90
	TSD-Other Requirements	07/19/90
	TSD-Other Requirements	07/19/90
	TSD-Other Requirements	07/19/90
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	07/19/90
	TSD-Other Requirements	07/19/90
	TSD-Other Requirements	07/19/90
	TSD-Other Requirements	04/12/90
	TSD-Other Requirements	04/13/90
	TSD-Other Requirements	07/19/90
	TSD-Other Requirements	04/13/90
	TSD-Other Requirements	07/19/90

A3
WNW
< 1/8
Higher

INDUSTRY AVE
JOLIET, IL

UST

U001147097
N/A

UST:

Facility ID: 2-024759
Status: Not reported
Total Tanks: 0
Owner Name: SHEFFIELD STEEL CORP
Contact: MORRIS KENNETH G
Phone #: (815) 723-9335

B4
WNW
< 1/8
Higher

INDUSTRY AVE
JOLIET, IL

UST

U000869756
N/A

UST:

Facility ID: 2-009413
Status: Not reported
Total Tanks: 1
Owner Name: RHO CHEMICAL CO INC
Contact: ROULT, ROBERT
Phone #: (815) 727-4791

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

B5
WNW
< 1/8
Higher

RHO CHEMICAL CO INC
INDUSTRY AVE BLDG 25
JOLIET, IL 60434

FINDS 1000106728
RCRIS-LQG ILD005178843
TRIS
TSCA
CERC-NFRAP

CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported
Ownership Status: OTHER
EPA Notes: Not reported

Federal Facility: NO
NPL Status: NOT ON NPL

CERCLIS-NFRAP Assessment History:

Assessment: DISCOVERY
Assessment: PRELIMINARY ASSESSMENT

Completed: 08/01/83
Completed: 08/01/84

RCRIS:

Owner: NAME NOT REPORTED
(312) 555-1212

Contact: ROBERT ROLIH
(815) 727-4791

Record Date: 11/23/80

Classification: Large Quantity Generator

Used Oil Recyc: No

Violation Status: Violations exist

There are 1 compliance/violation record(s) reported at this site:

Evaluation

Compliance Evaluation Inspection (CEI)

Area of Violation

Generator-All Requirements
Generator-All Requirements
Generator-All Requirements

Date of Compliance
05/07/86
05/07/86
05/07/86

FINDS:

Other Pertinent Environmental Activity Identified at Site:

- Facility has an active water discharge permit (under PCS)
- Facility is monitored or permitted for air emissions under the Clean Air Act (under AFS/AIRS)

B6
West
< 1/8
Higher

INDUSTRIAL COLOR INC
50 INDUSTRY AVE
JOLIET, IL 60435

RCRIS-SQG 1000823533
FINDS ILD984793265
TRIS

RCRIS:

Owner: ATILLIO NONNIE
(815) 722-7402

Contact: PERRIE STRAZZABOSCO
(815) 722-7402

Record Date: 02/22/93

Classification: Small Quantity Generator

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

INDUSTRIAL COLOR INC (Continued)

1000823533

Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

- Facility is monitored or permitted for air emissions under the Clean Air Act (under AFS/AIRS)

7
SW
1/4-1/2
Higher

UNION BANK
1300 N BROADWAY ST
JOLIET, IL

LUST

S102947130
N/A

LUST:

Facility ID: 913064 IL EPA ID: 1970455230

8
West
1/4-1/2
Higher

INSTA-FOAM PRODUCTS INC
2050 N BROADWAY
CREST HILL, IL 60435

CERCLIS
RCRIS-SQG
FINDS
TRIS

1000395469
ILD043912922

CERCLIS Classification Data:

Site Incident Category: Not reported

Ownership Status: UNKNOWN

EPA Notes: Not reported

Federal Facility: NO

NPL Status: NOT ON NPL

CERCLIS Assessment History:

Assessment: PRELIMINARY ASSESSMENT

Assessment: DISCOVERY

Assessment: SCREENING SITE INSPECTION

Completed: 04/15/91

Completed: 09/26/90

Completed: 09/30/92

CERCLIS Site Status:

This site is currently under investigation by the government to assess the extent of further action

RCRIS:

Owner: NAME NOT REPORTED
(312) 555-1212

Contact: RONALD SMITH
(815) 741-6904

Record Date: 08/11/80

Classification: Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

- Facility is monitored or permitted for air emissions under the Clean Air Act (under AFS/AIRS)

9
WNW
1/4-1/2
Higher

AMOCO OIL CO. #9574
BROADWAY / THEODORE
JOLIET, IL

LUST

S100567174
N/A

LUST:

Facility ID: 931345 IL EPA ID: 1970455284

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
10 SSW 1/4-1/2 Higher	MARTINSON GAS PARTNERSHIP 1101 N BROADWAY ST JOLIET, IL LUST: Facility ID: 951417 IL EPA ID: 1970455335	LUST	S102947122 N/A
11 SSE 1/2-1 Lower	ILLINOIS STEEL CO. WEST OF LOCKPORT RD. JOLIET, IL 60432 COAL GAS SITE DESCRIPTION: 1891 Gas House located on Illinois Steel Plant site, west of Lockport, east of t Alton R.R. lines. By 1924, no Sanfords available, "admission refused." ©Copyright 1993 Real Property Scan, Inc.	Coal Gas	G000001083 N/A
12 NNW 1/2-1 Higher	SEELER IND INC 2000 N BROADWAY JOLIET, IL 60435 RCRIS: Owner: SEELER JOSEPH F (815) 740-2640 Contact: RICHARD WALSH (815) 740-2640 Record Date: 02/23/93 Classification: Large Quantity Generator Used Oil Recyc: No Violation Status: No violations found SHWS: Facility ID: Not reported Facility Type: SITE REMEDIATION PROGRAM	FINDS RCRIS-LQG TRIS SHWS	1000823550 ILD984803130
13 South 1/2-1 Lower	AMERWIRE 51 EAST COLUMBIA JOLIET, IL 60432 CORRACTS Data: Prioritization: Low Status: RCRA Facility Assessment Completed	RCRIS-SQG FINDS CORRACTS	1000371945 ILD980700769

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

AMERWIRE (Continued)

1000371945

RCRIS:

- Owner: NAME NOT REPORTED
(312) 555-1212

Contact: LES FREEMAN
(815) 726-7500

Record Date: 02/04/81

Classification: Not reported

Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

- Facility is monitored or permitted for air emissions under the Clean Air Act (under AFS/AIRS)

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
JOLIET	U000796353		I-55 & RT 30 @ 16TH ST		UST	2-006929
JOLIET	U000796366		RT 3		UST	2-020437
JOLIET	1001127111	TJL LAMBRECHT CONSTRUCTION	RTE 30 & GOUGAR RFD 2	60432	RCRIS-SQG	
JOLIET	1000611542	MOBIL OIL REFINING	I 55 AND SMITH BRIDGE RD	60435	FINDS, LUST	911979
JOLIET	U003152607		1227 CHANNAHON RD RT 6		UST	2-035466
JOLIET	U001386753		IL RT 53 BETWEEN RUBY & GRANITE		UST	2-031862

GEOCHECK VERSION 2.1 ADDENDUM FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Northern Quadrant)

BASIC WELL DATA

Site ID:	413409088050601	Distance from TP:	1 - 2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1919	County:	Will
Altitude:	565.00 ft.	State:	Illinois
Well Depth:	1505.00 ft.	Topographic Setting:	Valley flat
Depth to Water Table:	75.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	01011919	Prim. Use of Water:	Industrial

LITHOLOGIC DATA

Not Reported

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Eastern Quadrant)

BASIC WELL DATA

Site ID:	413247088043001	Distance from TP:	1/4 - 1/2 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1928	County:	Will
Altitude:	549.00 ft.	State:	Illinois
Well Depth:	1533.00 ft.	Topographic Setting:	Valley flat
Depth to Water Table:	245.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	01011931	Prim. Use of Water:	Public supply

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Silurian
Principal Lithology of Unit:	Dolomite
Further Description:	WB

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1

FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Southern Quadrant)

BASIC WELL DATA

Site ID:	413241088043101	Distance from TP:	1/2 - 1 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1928	County:	Will
Altitude:	545.00 ft.	State:	Illinois
Well Depth:	1550.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	245.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	01011928	Prim. Use of Water:	Public supply

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Cenozoic-Quaternary-Pleistocene
Principal Lithology of Unit:	Glacial (undifferentiated)
Further Description:	Not Reported

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1

FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Western Quadrant)

BASIC WELL DATA

Site ID:	413259088050301	Distance from TP:	0 - 1/8 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1925	County:	Will
Altitude:	555.00 ft.	State:	Illinois
Well Depth:	1596.00 ft.	Topographic Setting:	Valley flat
Depth to Water Table:	248.50 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	01011930	Prim. Use of Water:	Industrial

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Silurian
Principal Lithology of Unit:	Dolomite
Further Description:	WB

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

Water Wells Information:

Well Within 1/8 - 1/4 Mile of Target Property (Northern Quadrant)

Well ID:	220636	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	LOCKPORT TRUCKING #1		
Permit:	063982	Date Drilled:	11/07/1977
Depth (in feet):	780	Aquifer Type:	Bedrock
County Code:	197	County:	WILL
Township:	36N	Range:	10E
Section:	33	Plot Location:	1A
Well Use:	Industrial/Commercial	Well Type:	--
Record Type:	Not Reported		
Driller:	.FYKES		

Well Within 1/4 - 1/2 Mile of Target Property (Eastern Quadrant)

Well ID:	160860	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	TONYS GREENHOUSE		
Permit:	I041721	Date Drilled:	10/12/1975
Depth (in feet):	250	Aquifer Type:	--
County Code:	197	County:	WILL
Township:	35N	Range:	10E
Section:	03	Plot Location:	5H
Well Use:	CM	Well Type:	--
Record Type:	Not Reported		
Driller:	LOCKPORT		

Well Within 1/4 - 1/2 Mile of Target Property (Southern Quadrant)

Info Source:	IL Geological Survey		
API ID:	121970179700	Group Number:	31
Well Type:	WATER	Boring:	0
X Coord:	3385130	Y Coord:	3101810

Well Within 1/8 - 1/4 Mile of Target Property (Western Quadrant)

Info Source:	IL Geological Survey		
API ID:	121970063600	Group Number:	31
Well Type:	WATER	Boring:	0
X Coord:	3385690	Y Coord:	3103101

GEOCHECK VERSION 2.1

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

PWS SUMMARY:

PWS ID: IL1977930 PWS Status: Active Distance from TP: 1/2 - 1 Mile
Date Initiated: January / 1926 Date Deactivated: Not Reported Dir relative to TP: East
PWS Name: JOLIET CRCTL CTR
JOLIET TWP, IL 60432

Addressee / Facility: Not Reported

Facility Latitude: 41 32 48 Facility Longitude: 088 04 17
City Served: JOLIET TWP
Treatment Class: Treated Population Served: 1,001 - 2,500 Persons

PWS currently has or has had major violation(s): Yes

Violations information not reported.

ENFORCEMENT INFORMATION:

Violation Type:	Max Contaminant Level, Average		
Compliance Period:	07/01/94 - 06/30/98		
Contaminant:	COMBINED RADIUM (-226 & -228)		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	CIS-1,2-DICHLOROETHYLENE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	XYLENES, TOTAL		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	O-DICHLOROBENZENE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	P-DICHLOROBENZENE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	1,1-DICHLOROETHYLENE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	TRANS-1,2-DICHLOROETHYLENE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	1,2-DICHLOROETHANE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	1,1,1-TRICHLOROETHANE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

GEOCHECK VERSION 2.1

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

PWS SUMMARY:

ENFORCEMENT INFORMATION:

Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	CARBON TETRACHLORIDE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	1,2-DICHLOROPROPANE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	TRICHLOROETHYLENE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	TETRACHLOROETHYLENE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	MONOCHLOROBENZENE (CHLOROBENZENE)		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	BENZENE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	TOLUENE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	ETHYLBENZENE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Regular		
Compliance Period:	04/01/94 - 03/31/95		
Contaminant:	STYRENE		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Routine Major (TCR)		
Compliance Period:	07/01/94 - 07/31/94		
Contaminant:	COLIFORM (TCR)		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Monitoring, Routine Major (TCR)		
Compliance Period:	08/01/94 - 08/31/94		
Contaminant:	COLIFORM (TCR)		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Max Contaminant Level, Average		
Compliance Period:	08/01/89 - 07/31/93		
Contaminant:	COMBINED RADIUM (-226 & -228)		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Max Contaminant Level, Average		
Compliance Period:	07/13/90 - 07/12/94		
Contaminant:	COMBINED RADIUM (-226 & -228)		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

GEOCHECK VERSION 2.1 PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

PWS SUMMARY:

ENFORCEMENT INFORMATION:

Violation Type:	Max Contaminant Level, Average		
Compliance Period:	07/01/94 - 06/30/98		
Contaminant:	COMBINED RADIUM (-226 & -228)		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
Violation Type:	Max Contaminant Level, Average		
Compliance Period:	07/01/94 - 06/30/98		
Contaminant:	COMBINED RADIUM (-226 & -228)		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D004	ARSENIC
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D011	SILVER
P030	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
U197	P-BENZOQUINONE
U197	2,5-CYCLOHEXADIENE-1,4-DIONE
U220	BENZENE, METHYL-
U220	TOLUENE
U226	ETHANE, 1,1,1-TRICHLORO-
U226	METHYL CHLOROFORM

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/31/97

Date Made Active at EDR: 04/13/98

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/17/98

Elapsed ASTM days: 55

Date of Last EDR Contact: 01/05/98

ERNS: Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/97

Date Made Active at EDR: 01/02/98

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/04/97

Elapsed ASTM days: 29

Date of Last EDR Contact: 03/05/98

NPL: National Priority List

Source: EPA

Telephone: 703-603-8852

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 09/25/97

Date Made Active at EDR: 11/28/97

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/26/97

Elapsed ASTM days: 63

Date of Last EDR Contact: 02/06/98

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 01/01/98

Date Made Active at EDR: 04/13/98

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/17/98

Elapsed ASTM days: 55

Date of Last EDR Contact: 02/10/98

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/15/97

Date Made Active at EDR: 02/02/98

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/05/98

Elapsed ASTM days: 28

Date of Last EDR Contact: 04/13/98

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDERAL NON-ASTM RECORDS:

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/95

Database Release Frequency: Biennially

Date of Last EDR Contact: 03/24/98

Date of Next Scheduled EDR Contact: 06/22/98

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: Varies

Database Release Frequency: Varies

Date of Last EDR Contact: Varies

Date of Next Scheduled EDR Contact: N/A

FINDS: Facility Index System

Source: EPA/NTIS

Telephone: 703-908-2493

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/01/97

Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/26/98

Date of Next Scheduled EDR Contact: 06/22/98

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/96

Database Release Frequency: Annually

Date of Last EDR Contact: 03/31/98

Date of Next Scheduled EDR Contact: 07/27/98

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/30/98

Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/13/98

Date of Next Scheduled EDR Contact: 07/13/98

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/23/98

Date of Next Scheduled EDR Contact: 05/25/98

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/22/97

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/16/98

Date of Next Scheduled EDR Contact: 05/18/98

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/17/98

Date of Next Scheduled EDR Contact: 06/15/98

ROD: Records Of Decision

Source: NTIS

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/31/95

Database Release Frequency: Annually

Date of Last EDR Contact: 04/08/98

Date of Next Scheduled EDR Contact: 06/01/98

TRIS: Toxic Chemical Release Inventory System

Source: EPA/NTIS

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/95

Database Release Frequency: Annually

Date of Last EDR Contact: 03/31/98

Date of Next Scheduled EDR Contact: 06/29/98

TSCA: Toxic Substances Control Act

Source: EPA/NTIS

Telephone: 202-260-1444

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 12/31/94

Database Release Frequency: Annually

Date of Last EDR Contact: 04/27/98

Date of Next Scheduled EDR Contact: 07/27/98

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF ILLINOIS ASTM RECORDS:

LUST: Leaking Underground Storage Tank Sites

Source: Illinois Environmental Protection Agency
Telephone: 217-782-6760

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/01/98
Date Made Active at EDR: 05/01/98
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/07/98
Elapsed ASTM days: 24
Date of Last EDR Contact: 02/02/98

SHWS: Category List

Source: Illinois Environmental Protection Agency
Telephone: 217-524-4863

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 06/01/97
Date Made Active at EDR: 08/14/97
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 07/07/97
Elapsed ASTM days: 38
Date of Last EDR Contact: 03/24/98

LF: Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge

Source: Illinois Environmental Protection Agency
Telephone: 217-785-8604

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/97
Date Made Active at EDR: 07/09/97
Database Release Frequency: Annually

Date of Data Arrival at EDR: 06/02/97
Elapsed ASTM days: 37
Date of Last EDR Contact: 03/02/98

UST: STC (State, Town, County) Facility List

Source: Illinois State Fire Marshal
Telephone: 217-785-0969

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 08/04/97
Date Made Active at EDR: 10/31/97
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/02/97
Elapsed ASTM days: 29
Date of Last EDR Contact: 04/28/98

STATE OF ILLINOIS NON-ASTM RECORDS:

NIPC: Solid Waste Landfill Inventory

Source: Northeastern Illinois Planning Commission
Telephone: 312-454-0400

Solid Waste Landfill Inventory. NIPC is an inventory of active and inactive solid waste disposal sites, based on state, local government and historical archive data. Included are numerous sites which previously had never been identified largely because there was no obligation to register such sites prior to 1971.

Date of Government Version: 08/01/88
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/11/97
Date of Next Scheduled EDR Contact: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Historical and Other Database(s)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

DELISTED NPL: NPL Deletions

Source: EPA

Telephone: 703-603-8769

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/25/97

Date Made Active at EDR: 11/28/97

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/26/97

Elapsed ASTM days: 63

Date of Last EDR Contact: 02/06/98

NFRAP: No Further Remedial Action Planned

Source: EPA/NTIS

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 12/31/97

Date Made Active at EDR: 04/13/98

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/17/98

Elapsed ASTM days: 55

Date of Last EDR Contact: 01/05/98

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SWDIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1996 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in March 1997 from the U.S. Fish and Wildlife Service.

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Water Dams: National Inventory of Dams

Source: Federal Emergency Management Agency

Telephone: 202-646-2801

National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

County Well Data in Illinois: Cook and DuPage Counties

Source: Illinois State Geological Survey

Telephone: 217-244-2387

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)

Source: Illinois State Water Survey

Telephone: 217-333-9043

Illinois State Geological Survey Water Wells

Source: Illinois State Geological Survey

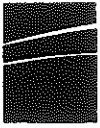
Telephone: 217-333-5102

Point data set that shows locations, well type, and well ID for wells in Illinois. Data comes from driller's logs.

PRELIMINARY ENVIRONMENTAL ASSESSMENT
PERFORMED FOR
SHEFFIELD STEEL CORPORATION
ON THE
JOLIET STEEL MILL
JOLIET, ILLINOIS
MARCH, 1988

 **MOSTARDI-PLATT
ASSOCIATES, INC.**

Environmental Consulting
Engineering Services



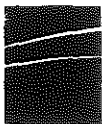
**MOSTARDI-PLATT
ASSOCIATES, INC.**

Environmental Contract
Engineering Services

1077 Entry Drive
Bensenville, IL 60106
(312) 860-5900

**PRELIMINARY ENVIRONMENTAL ASSESSMENT
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PROJECT NO. 74210



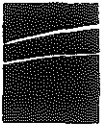
III. WASTE DISPOSAL PRACTICES

A review of the Sheffield manufacturing process and discussions with Sheffield personnel gave no indication that any wastes generated by Sheffield would be considered hazardous wastes under the Resource Conservation and Recovery Act (RCRA). A special inquiry was made as to the hazardous waste status of the waste material generated by the Sheffield Water Treatment Plant. Sheffield had on file a copy of a laboratory report from Arro Laboratories, Inc. of Joliet, Illinois, which indicated that it was not hazardous under RCRA regulations. A copy of the Arro report is appended in this report.

Under Illinois law, the water treatment plant waste would be considered a special waste if it does not qualify as a hazardous waste. As a special waste, certain state regulations apply to its disposal, including the use of the RCRA manifest system for the transportation and disposal of special wastes. MPA recommends that Sheffield make sure that the manifest system is being used to transport and dispose of the water treatment plant waste and meet any other state regulatory requirements in regard to these special wastes.

IV. UNDERGROUND STORAGE TANKS

Sheffield currently has two underground storage tanks on-site. These tanks were both installed to replace two older tanks in the middle of 1986. Current federal regulations require that owners and operators of underground storage tanks provide a notification to the Illinois State Fire



Marshall of the existence of these tanks, and that they meet certain installation requirements for new underground storage tanks.

MPA recommends that Sheffield check to see that the proper notification has been made to the Illinois State Fire Marshall's office and that the new tank systems conform to the new installation requirements.

In the event that the old underground storage tanks leaked prior to their removal, soil contamination may have occurred. Sheffield may consider it useful to obtain soil samples in the vicinity below the bottom level of the old underground storage tanks to establish a background baseline to assist in monitoring the integrity of the new tanks in the future.

CANARY COPY - PURCHASING DEPT.
GREEN COPY - ORIGINATOR OF REQUISITION

JUL 11 1988
RECEIVING REPORT

7912

Received From: Arvo Laboratory

Received Via: ☐ Local ☐ Pickup ☐ P. P. ☐ Rail ☐ Truck ☐

Purchase Order No. J-208

Date Received: 11/21/88

Packing Slip No. 11/21/88

Name of Carrier: Bob Deberg

Car Number: _____

Freight Number: _____

Prepaid: _____

Collect: _____

Quantity	Unit	DESCRIPTION
		Chemical Analysis Report
		of Sheffield Steel Co.
		Blundage
		cc Matt Chinaker
		Not hazardous waste per Vern Kennedy

Received by: Bob Deberg

RECEIVED MAR 18 1988

ANY LOSS OR DAMAGE MUST BE NOTED HEREON

ARRO No. 106781E RECEIVED

WASTE INFORMATION

NOV 21 1986

COLLECTION PROCEDURE: _____

PURCHASING

DATE OF COLLECTION: _____

TEMPERATURE CHANGES: _____

SOLIDS CONTENT: _____

GENERAL PHYSICAL DESCRIPTION:

COLOR: BLACK

ODOR: SOIL

CONSISTENCY: DAMP SOIL

SAMPLE TREATMENT BEFORE EXTRACTION: CONED & QUARTERED

EXTRACTION DATA AND COMMENTS:

INITIAL PH: 7.2

FINAL PH: 5.1

AMOUNT OF 0.5 N ACETIC ACID ADDED TO

ADJUST SOLUTION TO PH 5 3.0

TOTAL 0.5 N ACETIC ACID ADDED DURING THE

24 HOURS EXTRACTION PERIOD 2.2,2.3,1.1,1.1,1.0,5.0,5

COLOR COLORLESS

CONDUCTIVITY OF THE FINAL EXTRACT _____

REMARKS: 105G OF SAMPLE LEACHED WITH 1680 MLS DISTILLED WATER AND 17 MLS

0.5 N ACETIC ACID. FINAL VOLUME 2100 MLS.

GLASS CONTAINERS: _____

OTHER: PLASTIC

SAMPLE PREPARATION:

MIXING AND QUARTERING: _____